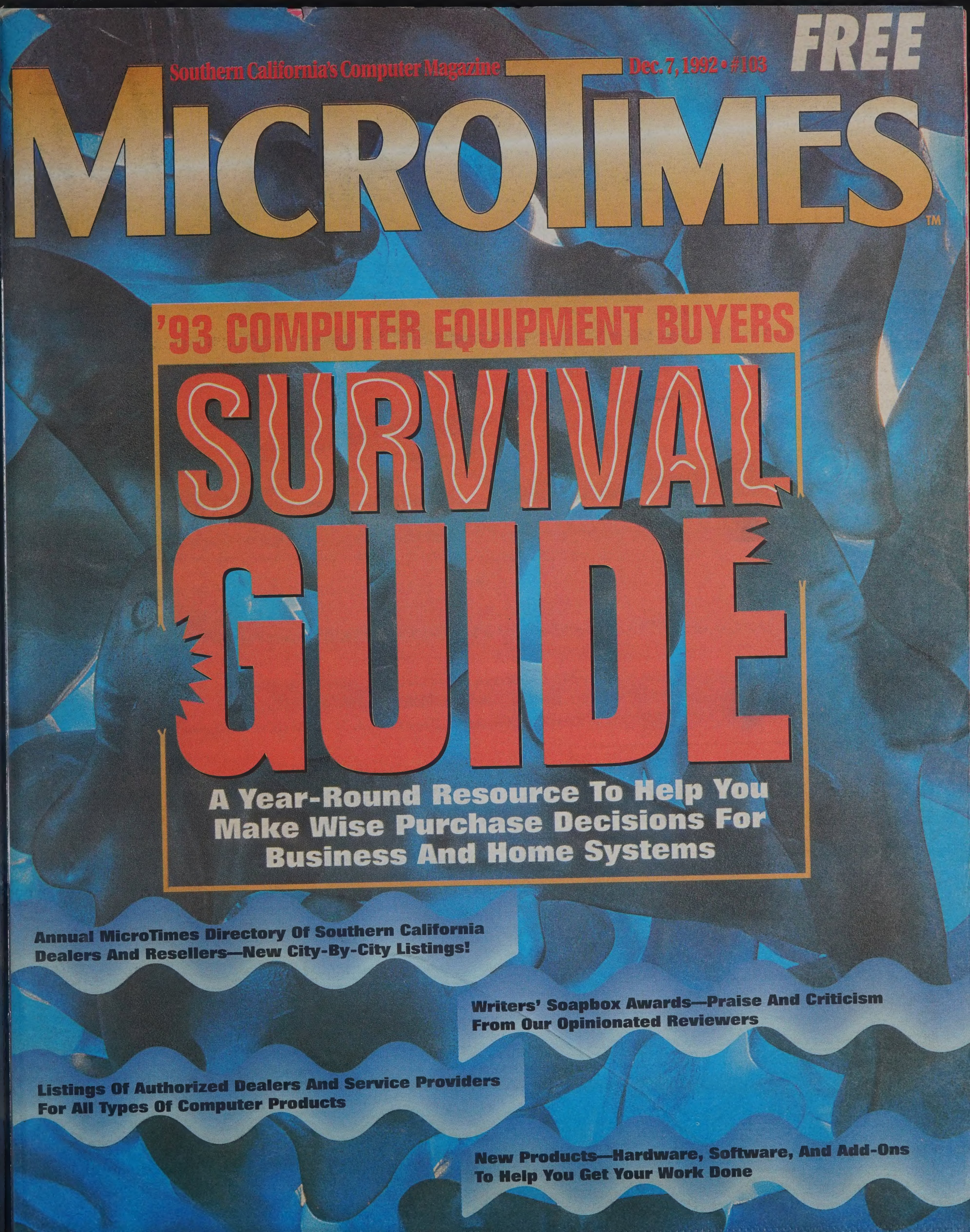
FREE

Southern California's Computer Magazine

Dec. 7, 1992 • #103

MICROTIMES™



'93 COMPUTER EQUIPMENT BUYERS

SURVIVAL GUIDE

A Year-Round Resource To Help You Make Wise Purchase Decisions For Business And Home Systems

Annual MicroTimes Directory Of Southern California Dealers And Resellers—New City-By-City Listings!

Writers' Soapbox Awards—Praise And Criticism From Our Opinionated Reviewers

Listings Of Authorized Dealers And Service Providers For All Types Of Computer Products

New Products—Hardware, Software, And Add-Ons To Help You Get Your Work Done

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Bitcom for Windows (Software for modem)	$48
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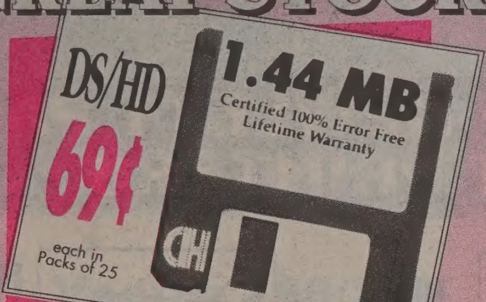
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USA 386-33

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- 1.2 & 1,44 Floppy Drive
- SVGA 14" Color Monitor (CTX .28 Dot Pitch)
- 1 MB ATI Video Card
- 101 Key Keyboard
- Windows 3.1 & Mouse
- Dos 5.0

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USA 486-33

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- 1.2 & 1,44 Floppy Drive
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MicroSoft Windows 3.1	89^{95}
Quatro Pro	349^{95}

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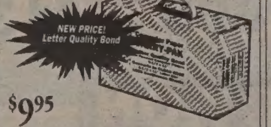

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DC120	120MB	21^{95}	20^{79}
DC2120 XIMAT Formatted	120MB,3M	31^{95}	
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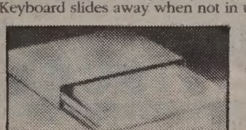

Under CPU/Monitor Drawer Fits under CPU or Monitor	$^{\$}24^{95}$
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Stackable Disk Cabinets Holds 210-300	
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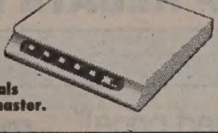

Controls up to 5 peripherals with lighted switches & master.

PRINTER RIBBONS

Printer Type	Min. 6
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Panasonic KSP 1124	4^{65}
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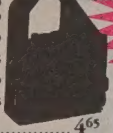

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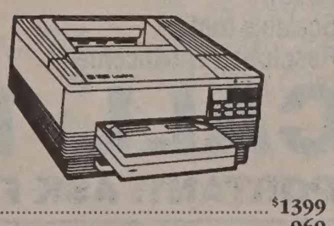
PRINTERS



HP III	$^{\$}1399
HP IIIP	969
HP Deskjet	369
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Epson LQ 570	274

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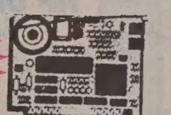
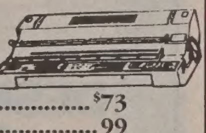


9600Bd Int. Send & Receive Fax Modem	$^{\$}99
9600Bd Ext. Send & Receive Fax Modem	114
Zoom V.42 2400Bd. Ext. Modem	139

HP PRINTING SUPPLIES



HP LaserJet Memory Cartridges for II, IID, IIP, III up to 4 MB

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2MB	99
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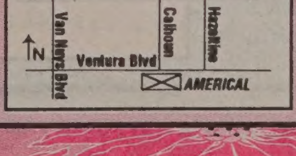

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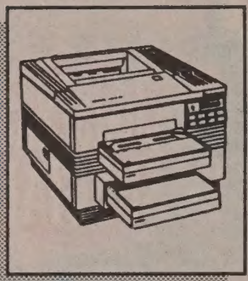

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- 1meg Ram

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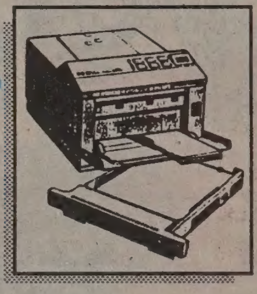

- 4 pages per minute
- Scalable fonts
- Most affordable laser printer

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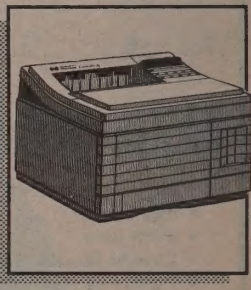
HP LASERJET 4



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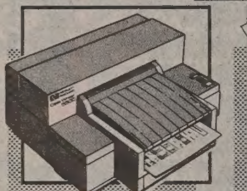

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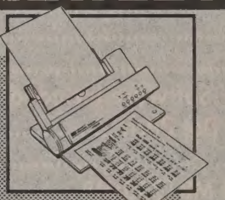

DESKJET PORTABLE

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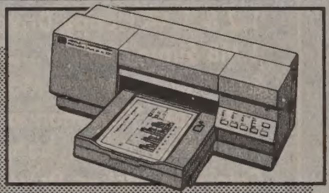

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- Parallel & serial or Appletalk HP-GL2 built-in
- Brilliant CAD & Technical output
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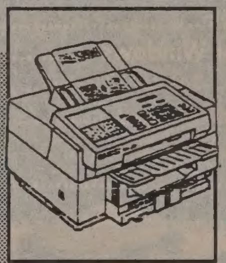

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- Apple compatible

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- Built-in scalable fonts
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- Most affordable
- PostScript & Appletalk
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- Scalable fonts
- Resolution enhancement

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IN STOCK

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- 8 Bit gray scale scanner
- Document feeder optional
- Apple compatible

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- 400 DPI or 800 DPI enhanced resolution
- 4 bit or 8 bit gray scale
- 24 bit color
- 15 seconds per page

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DEC. 7, 1992 ISSUE #103
MICROTIMES

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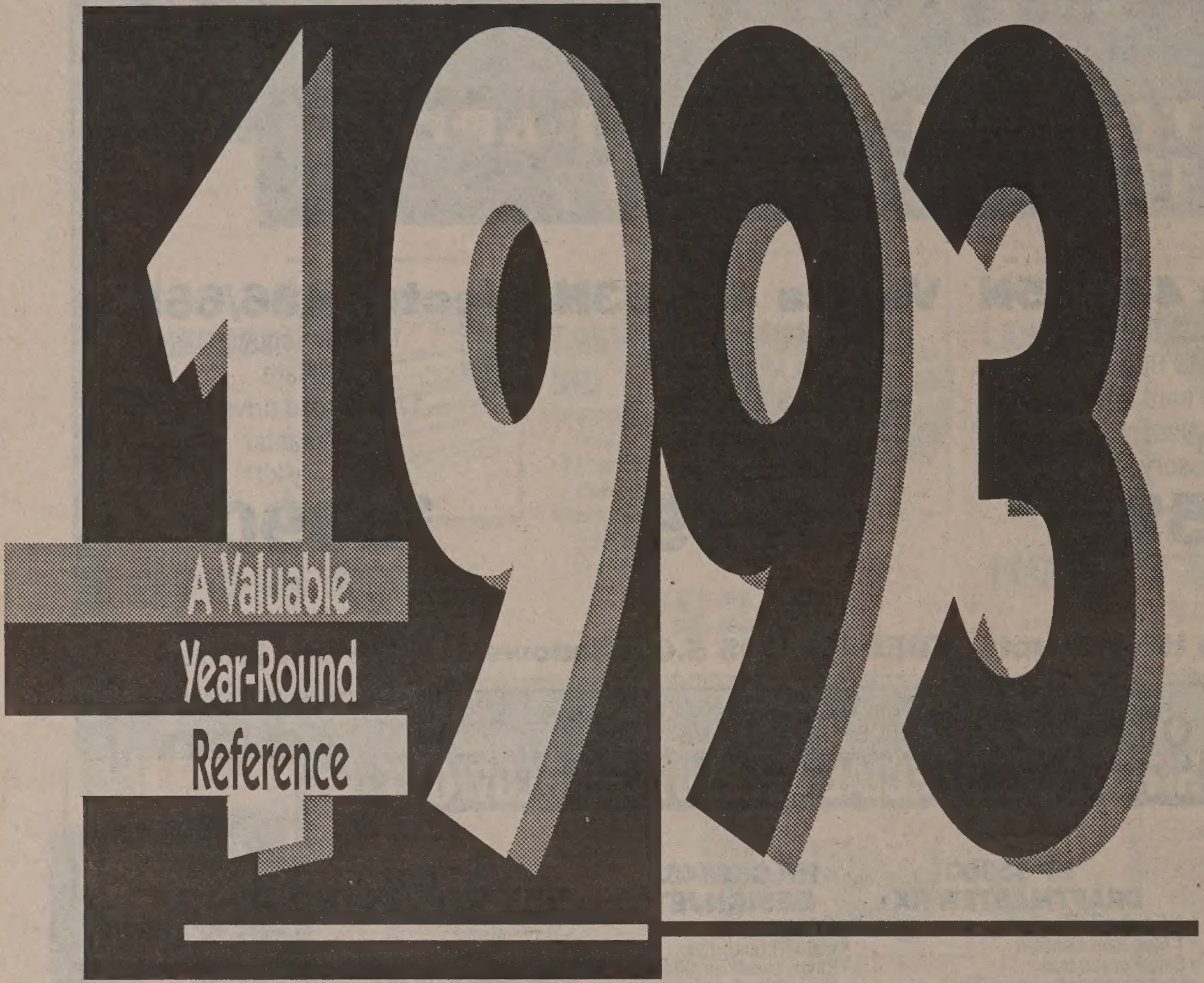

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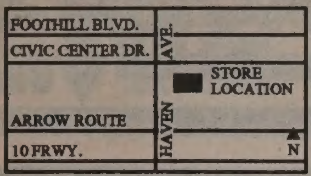
RANCHO CUCAMONGA



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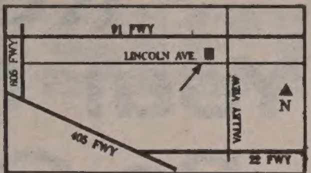

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- IDE 1:1 Dual FD/HD Controller
- Hi-Resolution Mouse
- AT I/O (2 Serials, Parallel, Game) Ports
- Mini Tower Case w/200W Power Supply
- 101 Enhanced Keyboard
- VGA Monitor and VGA Card
- Network Certified
- Operation Manual

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MicroTek 386DX-40 MHz w/64K CACHE

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- Real Time Clock and Calendar w/Rechargeable Battery
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MicroTek 486DX-33 MHz w/256K CACHE

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- Intel CPU 80486DX-33MHz w/Built-in Math Co-processor & 8K Cache
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- 101 Enhanced Keyboard
- Network Certified
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MicroTek 386SX-33 MHz $349

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- AT I/O (2 Serials, Parallel, Game) Ports
- Mini Tower Case w/200W Power Supply
- 101 Enhanced Keyboard
- Network Certified
- Operation Manual

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- AT I/O (2 Serials, Parallel, Game) Ports
- Full Tower Case w/250W Power Supply
- 101 Enhanced Keyboard
- Network Certified
- Operation Manual

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MicroTek 486DX-50 MHz w/256K Cache ..$1259

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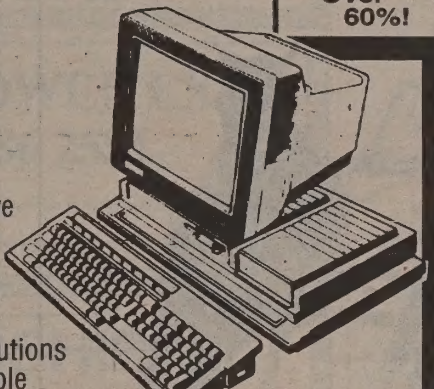

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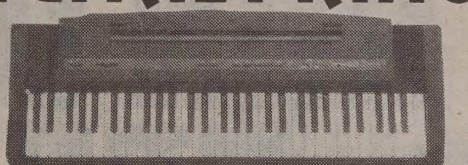

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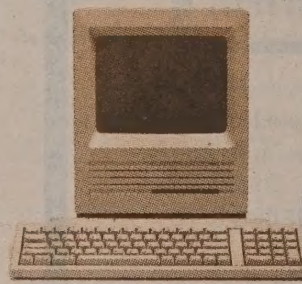

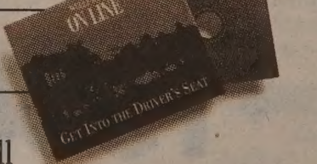
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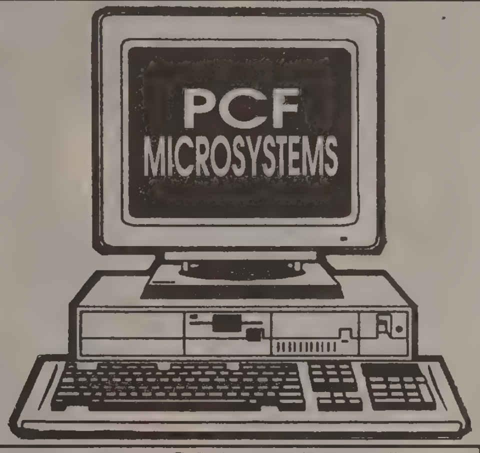

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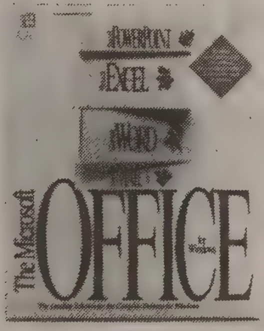

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See page 60 for a complete index of city listings.

Guide to Southern California Computer Resellers

Whether you're buying your first system or networking a large office, it's often hard to find a computer dealer in your area who can address your particular needs.

Our annual reseller guide is a year-round resource to help you with your current and future computer shopping. Whether it's Macs in Malibu or Suns in Santa Ana, Windows in Westminster or clones in Covina, the merchants listed here are ready to help.

In addition to city-by-city listings of dealers, VARs and superstores, we've included a special section of vendor-authorized service providers, so that if you're looking for support and training for a particular product, you can choose a source with confidence.

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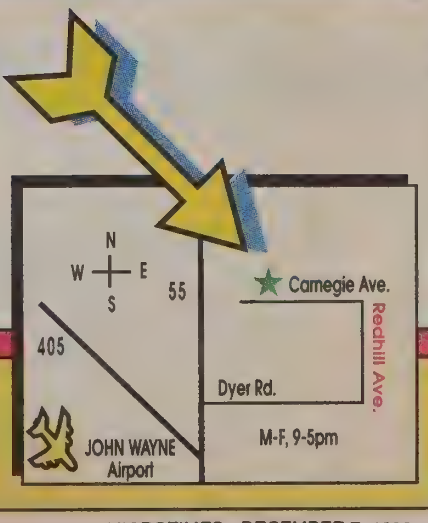

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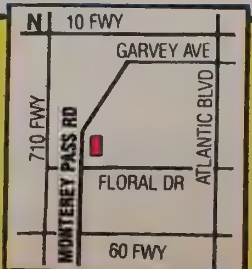

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continued from page 12

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Ultralite 386SL/25C 2/120 Color	**3995**

SONY

Sony 1304 w/Cable	**$579**
Sony 1302 1024x768 .25	**519**
Sony 1320 800x600	**429**

★ NEW ★

Sony 1604 17" Monitor 1024x768 .25DP	**$995**
Sony CD-ROM	**Call**

Compatibles

Amptron 386DX-40, 2MB, 1.2, K.B	**$465**
Amptron 486DX-33, 4MB, 1.2, K.B	**CALL**
Amptron 486DXII-50, 4MB, 1.2, 80B, SVGA Monitor	**1135**
Amptron 486DXII-66, 4MB, 1.2, K.B	**1299**

***U.S. Assembled ***

HEWLETT PACKARD

LASERJET PRINTERS

IIP Plus w/Toner (NEW)	**$769**
IIIP w/Toner	**Call**
III w/Toner	**Call**
HP 4M w/Toner	**Call**
IIID w/Toner	**2235**
IIISI w/Toner	**Call**

INKJET PRINTERS

DeskJet 500	**$389**
DeskWriter.	**389**
DeskJet 500C	**515**
DeskWriter C	**515**
DeskJet 550C	**695**
Deskwriter 550C	**695**
PaintJet XL-300.	**2179**

ALL ACCESSORIES AVAILABLE AT DISCOUNT PRICES

Memory Upgrades
II,IID,III,IIIP, D, IIP

1MB/2MB	**$109/169**
3MB/4MB	**209/249**

***5 Years Mfg. Warranty on Board ***

HP 95LX Palmtop Comp 1MB	**$499**
HP Connectivity Pack	**89**

Accessories

IIP, IIIP Lower Tray	**$145**
HP II, III Toner	**79**
HPIIP, IIIP Toner	**69**
HP Postscript Cartridge II	**469**
Pacific Page Postscript PE	**369**
Pacific Page XL Cartridge.	**749**
HP LaserJet Fax.	**925**

COMPAQ®

Authorized Sales and Service

• Countura 386SL/20 2/40MB	**$1389**
• Countura 386SL/20 2/84MB	**1490**
• Countura 386SL/25 4/60MB	**1675**
• Countura 386SL/25 4/120MB	**2025**
• Countura 386SL/25C Color	**CALL**
• LTE LITE 386SL/25 4/84	**2419**
• LTE LITE 386SL/25 4/120	**2619**
• LTE LITE 25C 84MB Color	**3339**
• LTE LITE 25C 120MB Color	**3599**
• Portable 486C-33 120/200	**5859/6630**
• Prolinea 386SX/25g MDL 1	**775**
• Prolinea 3/255 84/120	**999**
• Prolinea 486SX/25g MDL 1	**999**
• Prolinea 4/25g 120/240	**1299/CALL**
• Prolinea 486DXII/50 MDL 1	**1645**
• Prolinea 486DXII/50 120MB	**2035**
• DeskPro 486/33M MDL 1	**2469**
• Prosignia 486 DXII/66 NO HDD	**2989**
• System Pro XL 1 & 2GB	**CALL**
• Pagemarq 15, 15PPM	**3099**

Printers

OKIDATA
Authorized Sales/Service

320/321	**$319/429**
390/391	**429/585**
Oki 590/591	**439/589**
Oki 400 4ppm w/Toner.	**539***
Oki 810 8ppm w/Toner.	**979***
Oki 830 8ppm. Postscript, 35 Fonts, 2MB RAM	**1175***
Oki 840 8ppm 2MB, Postscript, Mac Comp	**1495***

*AFTER $50 MFG'S REBATE

EPSON
Authorized Dealer

LX-810 9 Pin	**$179**
LQ-570 24 Pin	**275**
FX-850/FX-1050 9 Pin.	**309/399**
LQ-870/LQ-1170 24 Pin	**449/609**
LQ-1070 24 Pin 132 Col.	**395**
LQ-2550 24 Pin, High Speed	**899**
DFX-5000 9 Pin, 533 CPS	**CALL**

★ LASER ★

Actionlaser II, 6PPM	**$689**
EPL-8000 Laser, 10PPm, 1MB	**1289**

All Accessories Available

CITIZEN
Authorized Sales/Service

GSX 240 NEW	**$309**
GSX 130	**275**
GSX 145, 132 COL	**409**
200 GX, 9 Pin	**169**
Color Option	**49/69**

Canon
Bubble Jet

BJ-10EX Printer	**$309**
BJ-300 80 col, 600 cps	**469**
BJ-330 132 col, 600cps	**619**
BJ-200 360dpi	**359**
BJC-800/820 Color	**1889/1995**

brother *NEW*

HL-10V Laser Printer 10PPM, HP3 Compatible 1MB, 35 Fonts	**$1195**
HJ-1001 Inkjet.	**299**

Prices subject to change with out notice. Limited Time & Quantity.

Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Our own (NET Computers)
Special Value-Added Services: 1 year parts and labor warranty. 7 day money back guarantee.

Burbank

Diamond Computer Centers, Inc.

Store manager: Simon Politakis
2414 W. Victory Blvd.
Burbank, CA 91506
(818)842-4737 Fax:(818)842-4895
Areas of Specialty (and In-House Specialist): SCO UNIX & Xenix (Robert Peverley, David Malik); Novell (Simon Politakis)
Operating Systems Supported: MS-DOS, Xenix
Top-Selling Brands in 1992: Diamond Computers, IBM Compatible, ViewSonic
Special Value-Added Services: Complete testing + 72 hour burn in, full 1 year warranty, tech support line. We specialize in personal homes service and current technology at reasonable prices.

Martin Enterprises

Store manager: Bill Martin
PO Box 6997
Burbank, CA 91510
(818)982-4152 Fax:(818)765-5472
Areas of Specialty: Corporate computer Bulletin Board ins.; sales
Operating Systems Supported: MS-DOS, Windows, SCO
Top-Selling Brands in 1992: Supra, Galcticomm,
Special Value-Added Services: Turnkey BBS systems for entertainment and tech support. "Major" BBS software.

PC Book Nook

Store manager: Russell Grin
916 W. Burbank Blvd., Ste. S
Burbank, CA 91506
(818)567-0016 Fax:(818)567-1039
Areas of Specialty (and In-House Specialist): PC/Mac Computer Books (Russell)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Amiga, Macintosh, Zenix
Top-Selling Brands in 1992: Que, Sybex, Microsoft Press Books
Special Value-Added Services: Computer books, you name it we've got it/training, one-on-one or classes on most software, returns, no nonsense policy! Cash, check, visa, M/C.

Unique Learning Centers

Store manager: Judy Stahl/Curt Baker
1700 W. Burbank Blvd.
Burbank, CA 91506
(818)843-8119 Fax:(818)843-1052
Areas of Specialty (and In-House Specialist): WordPerfect (Judy Stahl); Windows (Judy Stahl); Lotus 1-2-3 (Curt Baker)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Special Value-Added Services: The only WordPerfect authorized training center in Southern California.

Calabasas

Connecting Point Computer Centers

23647 Calabasas Rd.
Calabasas, CA 91302
(818)222-3822 Fax:(818)222-3811
Areas of Specialty: Networking; Multimedia; Desktop Publishing
Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, Macintosh
Top-Selling Brands in 1992: Apple, Compaq, Hewlett Packard
Special Value-Added Services: On-site services, training, learning centers, rental network installation.

California City

Time Link Computer Consultants

Store manager: Lorrain & Dale
10225 Rea Ave.
California City, CA 93505
1-(800)350-1687 Fax:(619)373-7561
Areas of Specialty (and In-House Specialist): Complete Computer Systems (Dale); Small Business Computer Systems (Dale); LAN Systems (Dale)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: NBI, Adobe, Micrographic
Special Value-Added Services: Most systems carry 3 year warranty, some 5 years, training for most software. Service, training, 1 year on-site service, pick up and delivery. Custom-designed systems and applications.

Camarillo

Computer Connecting Point

Store manager: Steve Sajjad
300 N. Lantana #39
Camarillo, CA 93010
(805)388-7113 Fax:(805)388-9856
Areas of Specialty (and In-House Specialist): Networking (Peter); Desktop publishing (Steve)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh
Top-Selling Brands in 1992: HP, Apple, Everex
Special Value-Added Services: 1 year parts and labor warranty.

Domino Computer

Store manager: Tim
2390 E. Los Posas Rd.
Camarillo, CA 93010
(805)987-1861 Fax:(805)987-8981
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

Canoga Park

Computerlane

Store manager: Soliman A. Soliman
7500 Topanga Canyon Blvd.
Canoga Park, CA 91304
(818)884-8644 Fax:(818)884-6253
Areas of Specialty (and In-House Specialist): Networking (Soliman A Soliman); Hardware Section (Soliman A Soliman & Watag)
Operating Systems Supported: MS-DOS, OS/2, UNIX
Top-Selling Brands in 1992: AST, Novell, Compaq
Special Value-Added Services: Service contract, extended warranties and network installation, system integrations, multimedia.

CRT Corp.

Store manager: Bob Fueischer
6750 Eaton Ave.
Canoga Park, CA 91303
(818)593-5550 Fax:(818)593-5556
Areas of Specialty (and In-House Specialist): Novell Networkers/Workstation (Bob Fleischer); Depot Repair/PCs (Ed Galvez); Monitors/Printers (Ed Galvez)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: CRT, IBM
Special Value-Added Services: Network design, installation, support, "Flashback 3-5 day guarantee" on Depot Repairs, nationwide. Depot repair support.

Domino Computer

Store manager: Venessa
22330 Sherman Way Ct.
Canoga Park, CA 91303
(818)340-7490 Fax:(818)340-7964
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

Nucom

Store manager: Mark Davidson
8040 Deering Ave., Unit 2
Canoga Park, CA 91304
(818)992-1092 Fax:(818)887-4938
Areas of Specialty: Desktop Publishing; Multimedia; Networking
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Seagate, Media Vision
Special Value-Added Services: On-site service and training. 1 year warranty parts and labor.

PC Service

Store manager: Emil Hogen
22017 Sherman Way
Canoga Park, CA 91303
(818)887-0040 Fax:(818)887-1470
Areas of Specialty (and In-House Specialist): Novell, LANtastic Networks (John Clemmons); Mac Upgrade, repair and service (Jeff Steimie)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: AST, Microsoft, Novell
Special Value-Added Services: We provide factory authorized services on more than 20 brands.

Rantek Computer Center

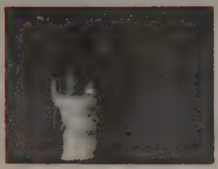
Store manager: Steve Biegler
22129 Sherman Way
Canoga Park, CA 91301
(818)347-1100 Fax:(818)347-1169
Areas of Specialty (and In-House Specialist): Networks & Service (Roger Ahuja); Multimedia, CD, Specialized items (Paul Petach); Application software i.e. Corel Draw (John Jerles)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: AST, Everex, Hewlett Packard
Special Value-Added Services: Rantek specializes in customer service and support with 1 year parts and labor warranties on all systems. Highly-skilled sales staff.

Renau Computer Systems

Store manager: Karol Renau
8463 Canoga Ave.
Canoga Park, CA 91304
(818)709-2600 Fax:(818)341-8063
Areas of Specialty (and In-House Specialist): CAD (Stan Matus); Networking (Stan Matus)
Operating Systems Supported: MS-DOS, OS/2
Top-Selling Brands in 1992: Renau Computers
Special Value-Added Services: We offer in-house service Mon-Fri 9am-6pm, telephone or in-person support Mon-Fri 9am-6pm. A 1 year warranty on parts and labor and a 14 day money back return policy.

Sim-Trade Co., Inc.

Store manager: Josef Obermeier
8040 Remmet Ave., #1
Canoga Park, CA 91304



CHRISTMAS SPECIAL
Opening Soon in Orange County

TOP Computer

Top Savings, Top Quality, Top Computer

WHOLESALE TO THE PUBLIC • FREE SOFTWARE

TOP Computer

386DX-40 MHz/64K	$895.
486SX-25 MHz/64K	$945.
486DX-33 MHz/256K (Cyrix)	$1,045.
486DX-33 MHz/256K	$1,245.

- 2MB RAM Installed
- 120MB IDE Hard Disk Drive
- 1.2 & 1.44MB Floppy Drive
- Dual F/H IDE Controller
- 101 Enhanced Keyboard
- Desktop or Mini-Tower Case
- UL Power Supply
- VGA Graphic Card
- 14" VGA Monitor
- 1 Year Warranty Parts & Labor
- 72 Hour Burn-In Test

FREE
High resolution Mouse with This Month Special

UNBELIEVABLE ROCK BOTTOM PRICES!!

NEW! 486DX-33MHz (Cyrix) $455.

NEW! 486DX2-66MHz $895.

386SX-33MHz $275.

386DX-40 MHz (w/64 Cache) $325.

SYSTEM INCLUDES:
- Mini Tower or Desktop Case
- UL Power Supply
- 1 MB Ram Installed
- 1.2MB or 1.44MB Floppy Disk Drive
- Dual FDD & HDD Controller Card (1: 1)
- 2 Serial/1 Parallel/1 Game Port
- Realtime Clocks & Calendar
- 101 Enhanced Keyboard
- 1 Year Warranty Parts & Labor
- 72 Hour Burn-In

486SX-25 MHz $365.

486DX-33 MHz (w/256 Cache) $665.

486DX2-50 MHz (w/256 Cache) $735.

486DX-50 MHz (w/256 Cache) $875.

Monitor & Graphic Card Bundles

TOP Computer

MONO AMBER

12"Mono w/MGP Card	$85
14"Mono w/MGP Card	$95

COLOR

14"VGA Color w/VGA Card	$225
14"SVGA Color w/SVGA Card	$255
14"Non Interlaced SVGA Color w/SVGA Card	$335

Upgrades

TOP Computer

1 MB RAM to 2MB	add $37
1 MB RAM to 4MB	add $95
2 MB RAM to 4MB	add $70
1 MB SIMM	$35
4 MB SIMM	$CALL
1.2 MB FDD	add $52
1.44 MB FDD	add $48

Quality Hard Disk Drives

TOP Computer

20MB IDE	$119	120MB IDE	$265
40MB IDE	$160	170MB IDE	$295
85MB IDE	$215	210MB IDE	$375
105MB IDE	$240	340MB IDE	$635

Modem & Parts

High Resolution Mouse	$10	Trackball Mouse	$45
Mouse w/Windows 3.1	$45	2400 Internal Modem	$30
Pen Mouse	$Call	2400 Toshiba Laptop Modem	$105
250MB Tape Drive	$215	Fax Modem	$49

Notebook

TOP NOTEBOOK
386SX-20 MHz
w/VGA
- 2 MB RAM
- 1.44MB Floppy Drive
- 60MB Hard Drive
- 640x480 VGA LCD

[illegible] Window 3.1

$995.

[illegible]s Available!

Network

- Network Specialists
- Netware V2.2
- Netware V3.11
- Ethernet Cards
- Arcnet Cards
- Novell Installation

CALL

Printers

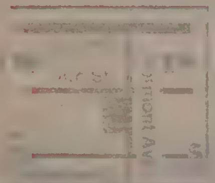
TOP Computer

Panasonic 1124i	$280	Brother HL-10V 10 pm	CALL
Panasonic 1123	$195	Daisy Wheel Cardco LQ/3	$65
Panasonic 1180i	$153	HP LaserJet IV	$1450
Epson LQ570	$265	HP IIP Plus	CALL
Epson EPL 7000	$779	HPIIIp	CALL
OKI Laser 400	$575	HP Deskjet 500C	$525
Citizen Color Option	$295	Star NX 1001	$139

Mon-Fri 9:00-7:00 pm
Sat 10:00-[illegible] pm

SINCE 1987

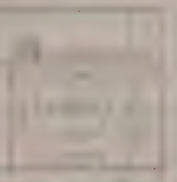
TOP Computer



[illegible] Vermont Avenue
Suite #5 & #6
Los Angeles, CA [illegible]

(213) 384-6601

Fax [illegible]



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(818) 757-0222

Fax [illegible]

1-800-690-0006

TOP COMPUTER SYSTEMS • SEOUL, KOREA • TEL. (0345) 83-0515

1993 MicroTimes Guide to Southern California Computer Resellers

(818)703-5155 Fax:(818)703-5964
Areas of Specialty: 3rd Party Maintenance, parts supplier; Data Recovery; IBM Compatible systems
Operating Systems Supported: MS-DOS
Special Value-Added Services: Hard and floppy drive refurbishing w/6 month warranty, customized computer systems. Disk duplication, shareware distributor.

Carson

PC House
Store manager: James Wong
841 E. Artesia Blvd.
Carson, CA 90746
(310)324-8621 Fax:(310)324-8654
Areas of Specialty (and In-House Specialist): Computer Systems (Jack Wang/David)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Cerritos

A&P Computers
Store manager: Eric Kim
16717 Norwalk Blvd.
Cerritos, CA 90701
(310)921-7156 Fax:(310)802-9218
Areas of Specialty (and In-House Specialist): Systems (Eric Kim); Parts (Eric Kim)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: A&P Computers, Memory Module, MIT-Multi-Industry Technology
Special Value-Added Services: Service.

K-Net, Inc.
Store manager: Daniel Ho
13017 Artesia Blvd., Ste. D-102
Cerritos, CA 90701
(310)926-7512 Fax:(310)926-0501
Areas of Specialty (and In-House Specialist): Systems (Daniel); Novell Networking (Daniel); On-site service (Daniel)
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: K-Net Systems, Novell Network Product Line
Special Value-Added Services: On-site Network service, in-house service, technical support warranties.

Micro City Computer Superstore
Store manager: Jeffrey Wang
17707 Valley View Ave.
Cerritos, CA 90701
(714)739-9609
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, training, support, warranties.

MIS Computers
Store manager: Mark Sabet
13715 Visroy Ave.
Cerritos, CA 90701
(310)404-0259/(714)761-9045 Fax:(310)438-7745
Areas of Specialty (and In-House Specialist): Novell Netware (Allan Seyhoun); Desktop Publishing (Bouda Meas); Systems & MIS Datacomm (Mark Sabet)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: MIS in-house clone, Everex, IBM
Special Value-Added Services: Service and network trouble-shooting and training. The owner is a professor at CSULA and USC. 1 year warranty.

Chatsworth

Bason/Trade Tek Computer
Store manager: RJ Yeh
21820 Nordoff Unit A
Chatsworth, CA 91311
(818)727-9054 Fax:(818)727-9064
Areas of Specialty: System integration
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Trade Tek, Epson
Special Value-Added Services: 1 year parts, 2 years labor, lifetime technical support.

Hacker Electronics
Store manager: Tim Laren
21016 Devonshire
Chatsworth, CA 91311
(818)882-7980 Fax:
Areas of Specialty: Networks & Installation; Repair; Maintenance
Operating Systems Supported: MS-DOS, Windows, Windows NT
Special Value-Added Services: Service contracts, repair, computers and peripherals, network installation, training, 24 hour support, support BBS, on-site service.

ID Disk
Store manager: Lyle Tartak
21822 Lassen Dr.
Chatsworth, CA 91311
(818)882-6454 Fax:(800)882-6454
Areas of Specialty: Disk Duplication
Operating Systems Supported: MS-DOS, OS/2, Amiga, Macintosh, UNIX/XENIX, Atari
Special Value-Added Services: Fullfillment, packaging, shrink wrapping, mailing.

Micro West Computers
Store manager: Isaac Boudale
9745 Mason Ave.
Chatsworth, CA 91311
(818)998-3416 Fax:(818)998-1123
Areas of Specialty (and In-House Specialist): Novell & LANtastic (Isaac Boudale); DOS & WordPerfect Training (Jack Boudale); System installation (on-site) (Danny Luu)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: DTK, Panasonic, Citizen
Special Value-Added Services: All systems carry 1 year warranty (24 hr. response time), special on-site training for novice users. Every system is specially tailored to end-users specific needs.

Peripheral Repair Corp.
Store manager: Mike Ferguson
9233 Eton Ave.
Chatsworth, CA 91311
(818)700-8482 Fax:(818)700-0533
Areas of Specialty (and In-House Specialist): Hard Drive Repair; Hard Drive Sales; Data Recovery
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh
Top-Selling Brands in 1992: Seagate, Conner, Maxtor
Special Value-Added Services: 6 month warranty on repairs, 1 year warranty on sales. We take trade-ins and buy drives for cash. Depot repair for dealers/maintenance.

Chino

Mr. B's Computer Book
Store manager: Allen Borcherding
3811 Schaefer Ave., Unit A
Chino, CA 91710
(714)464-2777 Fax:(714)464-2779
Areas of Specialty: Computer hardware & software books; Books covering earlier version software
Top-Selling Brands in 1992: Osborne/Mcgraw-Hill, Peach Pit Press, Que

City of Industry

3-D Research
Store manager: Michael Wu
137 S. 9th Ave.
City of Industry, CA 91744
(818)333-1065 Fax:(818)333-7548
Areas of Specialty (and In-House Specialist): Networking (Brian); Components Wholesale (Brian)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX
Top-Selling Brands in 1992: Galaxy
Special Value-Added Services: Training and service.

Comp USA
Store manager: Bill Doehr
18575 E. Gale Ave.
City of Industry, CA 91748
(818)913-3360 Fax:(818)854-7761
Areas of Specialty: DOS Applications; Macintosh Applications
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1992: Varies by store
Special Value-Added Services: Fully trained technical staff to provide phone support and in-store repair with many manufacturers. Various training classes available at selected locations, satisfaction guaranteed.

Computer Concept
Store manager: Robert Han
15438 E. Valley Blvd.
City of Industry, CA 91746
(818)333-8627 Fax:(818)961-6198
Areas of Specialty (and In-House Specialist): Systems (Kenny); Networking (Kenny); CAD (Kenny)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Service, technical support, 1 year parts and labor. 7-day return policy (20% restocking fee).

ComTrade
Store manager: Christopher Luke
15314 E. Valley Blvd.
City of Industry, CA 91746
(818)961-6688 Fax:(818)369-1479
Areas of Specialty (and In-House Specialist): Desktop Publishing (Christopher Luke); AutoCAD (Christopher Luke)
Operating Systems Supported: MS-DOS, OS/2
Top-Selling Brands in 1992: 486 EISA System, 486 Local Bus System, 486 WIN-Station
Special Value-Added Services: 30 day money back guarantee. 1 year parts and 2 years labor warranty.

DHT Associates
Store manager: Kevin Hwu
17411B E. Gale Ave.
City of Industry, CA 91748
(818)810-0552 Fax:(818)810-4555

ORANGE COUNTY'S LOW PRICE LEADER

FACTORY DIRECT PRICES

286-12 BAREBONES

- Mini Tower Case
- 220W Power Supply
- 1.2 Or 1.4MB Floppy Drive
- 101 Keyboard
- Clock/Calendar
- 2 Serial Ports/1 Printer Port
- 1MB RAM

$285

386DX-40 BAREBONES

- Mini Tower Case
- 220W Power Supply
- 1.2 Or 1.4MB Floppy Drive
- 101 Keyboard
- Clock/Calendar
- 2 Serial Ports/1 Printer Port
- 1MB RAM

$425

486DX-33 BAREBONES

- Mini Tower Case
- 220W Power Supply
- 1.2 Or 1.4MB Floppy Drive
- 101 Keyboard
- Clock/Calendar
- 2 Serial Ports/1 Printer Port
- 1MB RAM

$800

386SX-25MHz

- Mini Tower Case
- 25MHz 386SX MB w/1MB RAM Exp. to 16MB
- 220 W Power Supply
- 1.2 & 1.4MB Floppy Drives
- 80387 Math Co-Processor Socket
- 101 Key Enhanced Keyboard
- Real Time Clock/Calendar
- 2 Serial Ports/1 Printer Port/Game
- VGA Color Monitor w/16 Bit Card

$675

386DX-40MHz w/64K Cache

- Mini Tower Case
- 40MHz 386DX MB w/1MB RAM Exp. to 16MB
- 220 W Power Supply
- 1.2 & 1.4MB Floppy Drives
- 80387 Math Co-Processor Socket
- 101 Key Enhanced Keyboard
- Real Time Clock/Calendar
- 2 Serial Ports/1 Printer Port/Game
- VGA Color Monitor w/16 Bit Card

$750

486DX-33MHz w/64K Cache

- Mini Tower Case
- 33MHz 486MB w/1MB RAM Exp. to 64MB
- 220 W Power Supply
- 1.2 & 1.4MB Floppy Drives
- Math Co-Processor
- 101 Key Enhanced Keyboard
- Real Time Clock/Calendar
- 2 Serial Ports/1 Printer Port/Game
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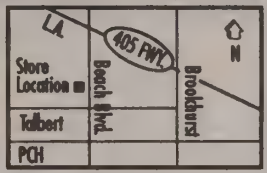

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Areas of Specialty (and In-House Specialist): Novell Networking, UNIX, TCP/IP; BDI Systems; Multimedia
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, UNIX, Novell DR DOS
Top-Selling Brands in 1992: BDI, Novell, Creative Labs
Special Value-Added Services: Service, training, support, warranties, return policy. Free software applications w/bundled products.

Legatech Computers

Store manager: Chester Huang
18539 E. Gale Ave., Ste. B
City of Industry, CA 91748
(818)810-1280 Fax:(818)810-7980
Areas of Specialty: System Host; 386 Systems; 486 Systems
Top-Selling Brands in 1992: Microsoft, System Host
Special Value-Added Services: 30 day money back guarantee. 1 year parts and labor warranty/extended option warranty.

LodeStar Computer

Store manager: Sylvia Ma
18539 E.Gale Ave.
City of Industry, CA 91748
(818)810-3818 Fax:(818)810-5928
Areas of Specialty: PC System House (Pls. ask for Technical assistance); 486 EISA System; 486 Local Bus System
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, UNIX, Window Workgroup/Novell
Top-Selling Brands in 1992: 80486 Local Bus LodeStar System, 80486 EISA LodeStar System, 80386-40 MHz LodeStar System
Special Value-Added Services: 30 day money back guarantee. Free lifetime technical suport and labor support. Free 2 year parts warranty, free 1 year on-site service.

Micro City Computer Superstore

Store manager: Mei Sukhu
17351 E. Gale Ste. A
City of Industry, CA 91748
(818)912-6777
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, support, training, warranties.

Micro Operations/Wecly

Store manager: Lisa Wen
15046 E. Nelson Ave., Unit #2
City of Industry, CA 91744
(818)855-5220 Fax:(818)968-3704
Areas of Specialty (and In-House Specialist): Networking/Accounting (Ben Jiang); Multimedia PC (Jim Kirk)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, UNIX
Top-Selling Brands in 1992: Puretek, Tatung, IDZK
Special Value-Added Services: 30 day money back guarantee, free technical support, on-site service available.

Reyes Electronics

Store manager: Daniel Hou
16815 Johnson Dr.
City of Industry, CA 91745
(818)968-2222 Fax:(818)968-1050
Areas of Specialty (and In-House Specialist): BTC Keyboard (wholesale); ACE Monitors (wholesale); Tatung Monitors (wholesale)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Acer, Tatung, BTC

Royal Computer

Store manager: Howard Chan
1201 John Reed Ct.
City of Industry, CA 91745
(818)333-7628 Fax:(818)330-2717
Areas of Specialty (and In-House Specialist): Computer Systems
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: 486-33MHz, 486-50 DX MHz, 386-40MHz
Special Value-Added Services: We provide 1 year warranty, 4 day money back guarantee, lifetime technical support.

Sager

Store manager: Tony Yuan
18005 Cortney Ct.
City of Industry, CA 91748
(818)669-1624 Fax:(818)964-2381
Areas of Specialty (and In-House Specialist): Notebook (Tim); Lunch Box (Tim); Mini Book (Tim)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Sager (self-brand)
Special Value-Added Services: Free lifetime technical support.

Colton

Conquest Computer Consulting

Store manager: Daniel Castro
574 So. Macy St.
Colton, CA 92324
709-381-9091
Areas of Specialty (and In-House Specialist): Small software development projects (Daniel Castro); Spanish or English language interfaces (Daniel Castro)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Aldus
Special Value-Added Services: Our reasonable rates offer outstanding customer support and training in using our application s/w packages. Try us, you'll like us! Free demo also.

Costa Mesa

Advanced Monitor Repair, Inc.

Store manager: Michael Huynh
3303 Harbor Blvd., Ste. B-6
Costa Mesa, CA 92626
(714)434-6016
Areas of Specialty (and In-House Specialist): Computer Accessories Repairs (Michael Huynh); Mainly PC (Michael Huynh)
Operating Systems Supported: MS-DOS, Macintosh, Apple
Top-Selling Brands in 1992: IBM Compatible, Apple
Special Value-Added Services: Service, technical support, failure analysis, 180 day warranty unconditional.

IMC Computer Consulting

Store manager: John Hill
1548 Adams Ave.
Costa Mesa, CA 92626
(714)549-9291 Fax:(714)241-1912
Areas of Specialty (and In-House Specialist): Dos 5.0 & Windows 3.1 (John Hill); PC Hardware (John Hill)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Clincher, DTK
Special Value-Added Services: On-site service, hands-on personal service. Microsoft certified professional.

PC Systems Design

Store manager: Gary Koga
3189A Airway Ave.
Costa Mesa, CA 92626
(714)668-9273
Areas of Specialty (and In-House Specialist): Office Automation (John Homan); LAN/UNIX (Dave Cron); Desktop Publishing (Richard Leach)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: HP, Toshiba, Apple
Special Value-Added Services: Quality computer solutions w/ complete service and support.

Ultimate Computer Solutions

Store manager: Ayman Saad
3303 Harbor Blvd., Ste. D-7
Costa Mesa, CA 92626
(714)754-5433 Fax:(714)754-4464
Areas of Specialty (and In-House Specialist): Hardware (Ayman); Software (Joe); Network (Rod)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX
Top-Selling Brands in 1992: UCS 486-33, UCS 386-40, UCS Local Bus
Special Value-Added Services: Service, quick turnaround, on-site/in-house technical support, 1 year parts warranty and 2 years labor warranty.

Culver City

Comp USA

Store manager: Allan Charnock
11441 Jefferson Blvd.
Culver City, CA 90230
(310)572-7100 Fax:(310)572-7180
Areas of Specialty (and In-House Specialist): DOS Applications (Greg Kunz); Macintosh Applications (Luis Montero); Window Applications (Kelly Koger)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: Varies by store
Special Value-Added Services: Fully trained technical staff to provide phone support and in-store repair with many manufacturers. Various training classes available at selected locations, satisfaction guaranteed.

Corporate Point Computer Systems, Inc.

Store manager: Mike Magaletta
5701 W. Slauson Ave., Ste. 100
Culver City, CA 90230
(310)348-8877 Fax:(310)348-8878
Areas of Specialty (and In-House Specialist): Portable (Mike Magaletta); DeskTop Publishing and Graphics (Lou Nicolaides); Systems Sales (Mike Magaletta)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: AST, Epson, In-house brand
Special Value-Added Services: System optimization, warranties, training, Corel Draw, Ventura Publisher, Aldus Photostyles and Windows Authorized Training Center.

Goodman Music

Store manager: Greg Greenfield
4207 S. Sepulveda Blvd.
Culver City, CA 90230
(310)558-5500 Fax:(310)558-5505
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Atari
Top-Selling Brands in 1992: Apple, Atari, Yamaha
Special Value-Added Services: Apple service, Atari service.

Cypress

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Store manager: Peter Wang

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2M RAM
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1.2M & 1.44M Floppy
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SYSTEM INCLUDES:
Desktop Or Mini tower
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386DX / 40MHz (w/ 64K Cache)	$330
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386SX / 33MHz	$280
486SX / 25MHz (w/ 64K Cache)	$370
486DX2 / 50MHz (w/ 256K Cache)	$780

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Modem	$35
Fax Modem	$65
Tape Backup	$195
Tape (120M)	$20
1.2M (Panasonic)	$50
1.44M (Panasonic)	$55

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- 10 User
- 25 User
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HP Laser II P	$789
HP Deskjet 500C (Color)	$689
OKI Laser 400	$619

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6330 Lincoln Ave., Ste. 274
Cypress, CA 90630
(714)229-8968 Fax:(714)220-2060
Areas of Specialty: Vendor Dependent
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NTAmiga, Macintosh, UNIX, CP/M
Top-Selling Brands in 1992: Vendor Dependent
Special Value-Added Services: We provide online service to vendors who sell their products through our BBS.

Blue Chip Automation
Store manager: Mark Taufiq
9193 Valley View
Cypress, CA 90630
(800)(800)1952 Fax:(714)995-7090
Areas of Specialty (and In-House Specialist): Laser Printers and Scanners (Mark Taufiq); EISA and Local Bus SYstems (Tom Beyer); Novell/Xenix (Mark Taufiq/Tom Beyer)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, Xenix, Novell
Top-Selling Brands in 1992: OKI Data, Panasonic, Cougar Computers
Special Value-Added Services: Lifetime technical support. Toll-free numbers for sales orders. No labor changes for fortune upgrades.

MicroTek Computers
Store manager: Kent Tran
5721 Lincoln Ave., Ste. F
Cypress, CA 90630
(714)761-0315 Fax:(714)761-1330
Areas of Specialty (and In-House Specialist): IBM Compatible (Kent Tran); Novell Netware (Joseph Mae Tas); LANtastic (Kent Tran)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Novell Netware, LANtastic Networking
Special Value-Added Services: We offer service contract and support on all PC LAN network. Training on MS-DOS, network users, WordPerfect, Word STAR, Lotus 1-2-3, dBase IV. Software application programming for specified requirements.

El Monte

A-1 Computer Sales & Service
Store manager: Paul Yang
9690 Telstar Ave. #202
El Monte, CA 91731
(818)575-2882 Fax:(818)575-8058
Areas of Specialty (and In-House Specialist): Novell Networking (Ben Lo); SCO UNIX (Paul Young); Laserfiche Imaging (Sam Chan)
Operating Systems Supported: MS-DOS, OS/2, Windows, SCO
Top-Selling Brands in 1992: 486-33, HP-3P, Mac 17"
Special Value-Added Services: Technical support and on-site services. 14 day return policy, 1 year labor and parts warranty.

American Reliance
Store manager: Ken Law
9952 E. Baldwin Pl.
El Monte, CA 91731
(818)575-5110 Fax:(818)575-0801
Areas of Specialty: 386/486 Notebooks
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Amrel
Special Value-Added Services: Toll-free technical services, 24 hour TechFax, upgrade services, 1 year full warranty, 30 day return policy.

Valley Computer
Store manager: Eugene Chen
9619 E. Valley Blvd. #A
El Monte, CA 91731
(818)579-9871 Fax:(818)350-1696
Areas of Specialty (and In-House Specialist): Networking; PC Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: HP, Panasonic, In-House brand
Special Value-Added Services: Software consultant.

El Toro

Cell Micro
Store manager: Nihad Hafiz
22600 B Lambert Ste. 805
El Toro, CA 92630
(714)830-2355 Fax:(714)830-3712
Areas of Specialty (and In-House Specialist): Systems (Nihad Hafiz); Components (Nihad Hafiz)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Cell Micro Systems, Fujitsu, Talon
Special Value-Added Services: Service, training, support, warranties, return policy.

First Service Technologies
22642 Lambert St. S408
El Toro, CA 92630
(714)581-0333 Fax:(714)588-1343
Special Value-Added Services: 3rd party service-printers only specializing in DEC, DataProducts, T.I, H.P. Walk-in service, on-site contract.

SCS Computers
Store manager: Sata Movassaghi
20371 Lake Forest Dr. A3
El Toro, CA 92630
(714)587-9903 Fax:(714)587-9910
Areas of Specialty (and In-House Specialist): CADD Program (Safa Movassaghi); Microsoft; Accounting
Operating Systems Supported: MS-DOS, OS/2, Windows, UNIX
Top-Selling Brands in 1992: DTK, Panasonic, Okidata
Special Value-Added Services: We offer full service repair on IBM and IBM compatibles. All systems include 1 year warranty. We offer on-site in-house services and Microsoft training.

Encino

Dino Electronics
Store manager: Sheri
17930 1/2 Ventura Blvd.
Encino, CA 91316
(818)343-6202 Fax:(818)343-2074
Areas of Specialty: PC Memory Upgrades
Operating Systems Supported: MS-DOS, OS/2, Macintosh, UNIX
Special Value-Added Services: Electronics and mobile phone sales and service.

Fawnskin

Scientific Specialists
Store manager: Em Brown
PO Box 385
Fawnskin, CA 92333
(714)866-6263 Fax:
Areas of Specialty: Booksoft Electronic Books; PC-Disktop Publishing services
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Booksoft only
Special Value-Added Services: Sell books on disk, also sell printed bound books.

Fountain Valley

CD Group
Store manager: Peter To
17195 Newhope St., Ste. 109
Fountain Valley, CA 92708
(714)434-6900 Fax:(714)434-9116
Areas of Specialty (and In-House Specialist): AutoCAD (Peter); Database (Tam); Networking/LANtastic/Novell (Peter)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Pick
Top-Selling Brands in 1992: LANtastic, Vega, Micronic
Special Value-Added Services: Service contract for individuals and corporations. Technical support Govt. corp. P.O.'s.

Comp USA
Store manager: Randy Benson
9380 Warner Ave.
Fountain Valley, CA 92708
(714)965-0580/(714)965-1165 Fax:(714)964-1126
Areas of Specialty (and In-House Specialist): DOS Applications (Greg Kunz); Macintosh Applications (Luis Montero); Window Applications (Kelly Koger)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: Varies by store
Special Value-Added Services: Fully trained technical staff to provide phone support and in-store repair with many manufacturers. Various training classes available at selected locations, satisfaction guaranteed.

Development Systems
Store manager: Tom Rost
18052 Magnolia St.
Fountain Valley, CA 92708
(714)965-5383 Fax:(714)965-5385
Areas of Specialty (and In-House Specialist): Hardware (Tom Rost); Parts
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Development Systems
Special Value-Added Services: Best after sale service and tech support, 1 year parts and 2 years labor warranty.

Domino Computer
Store manager: Eric
11247 Slater Ave.
Fountain Valley, CA 92708
(714)557-6666 Fax:(714)557-6785
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

Infinity Systems Group
Store manager: Jim Dao
16580 Harbor Blvd., Ste. M
Fountain Valley, CA 92708
(714)839-2440 Fax:(714)839-3561
Areas of Specialty (and In-House Specialist): Sales (Jim Dao); Service (Jim Dao); Repair (Jim Dao).
Operating Systems Supported: MS-DOS, OS/2, Amiga, Macintosh, UNIX
Top-Selling Brands in 1992: Infinity System, ViewSonic, Orchid
Special Value-Added Services: Service, training, support,

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386-40 DX w/Cache	725
486-33 DX w/Cache	1100
486-50 DX2 w/Cache	1150
486-50 DX w/Cache	1400
486-66 DX2 w/Cache	1475
Upgrade 486 to EISA	Add 150

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- Samsung Amber 12" Monitor
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- Built-in Setup
- AMI BIOS
- Mini Tower Case
- Seagate 42 MB Hard Drive
- 1 Meg of Ram Memory
- Teac 1.44 MB 3 1/2" Floppy
- 8 Expansion Slots and Math Co-Processor Socket
- Monochrome Graphic Card
- Real Time Clock and Calendar w/ Battery Backup

Some Upgrades For Above Systems:

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100-110 MB IDE Hard Drive	Add	100
120-130 MB IDE Hard Drive	Add	160
200-220 MB IDE Hard Drive	Add	275
VGA Color Graphic Card	Add	20
SVGA 1024x768 1 MB Card	Add	55
SVGA 14" 1024x768 .39 DP Monitor	Add	165
SVGA 14" 1024x768 .28 DP Monitor	Add	200
SVGA 14" 1024x768 .28 DP Monitor NI	Add	240
DOS 5.0	Add	35
Windows 3.1	Add	35
2 or 3 Button Mouse	Add	20
Zoom 96/24 Baud Int. Fax Modem	Add	100

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Ranger Notebook 486SX/25 80 HD	2400

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Step Megacube 12 Slot 8MB ESDI	3000
Tempo Notebook 386SX/20 3MB 60 HD	1400
Carrier Notebook 386SX/20 4MB 80 HD	1700

AST COMPUTER

Exec Notebook 386SX/25 4MB 80 HD	$ 1700
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OL400 Laser w/Toner	$ 550
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Memory

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4 Meg SIMM - 70	130
4 Meg SIMM - 60	150

Printer

Panasonic KX-1180i	$ 175
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Citizen GSX 145 Wide	370
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Sony 1304 HG 14" 1024x768 .25 DP	600
Viewsonic 17" Multi-Scan .28 DP	1050
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Monitor Cards

ATI XL 24 1024x768 1MB w/Mouse	$ 150
Fahrenheit 1280 1MB VRAM	285
ATI Graphics Ultra 1MB w/Mouse	315
SVGA 1024x768 1MB	60

Mother Boards

386SX-25 / SX-33	$ 110/120
386-33 DX w/64K Cache	200
386-40 DX w/64K Cache	225
486-33 DX w/64K Cache	625
486-50 DX2 w/256K Cache	700
486-50 DX w/256K Cache	875
486-66 DX2 w/256K Cache	925
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ATC386DX-40

Cash Price
Reg. **$949/899**
Same as above

ATC386sx-33

Cash Price
Reg. **$849/799**
Same as above except with 2MB RAM & no cache

PARTS

Hard Drive

Maxtor 130MB IDE H.D.	$285
Connor 120MB IDE H.D.	$275

VGA ADAPTER

Trident 1MB SVGA Card	$59
VGA 256K Card	$32

MONITOR

Shamrock SVGA NON-Interlaced .28 Monitor	$279
Beyond SVGA .28(Int)	$239
VGA Monitor(.42)	$209

CASE

Mid-Tower Case w/230W	$75
Desk-Top Case w/200W	$59

Mother Board

80486-33/64K Cache(0k)	$115
80486-33/256K Cache(0k)	$155
80386-40/64K Cache(0k)	$109

CPU

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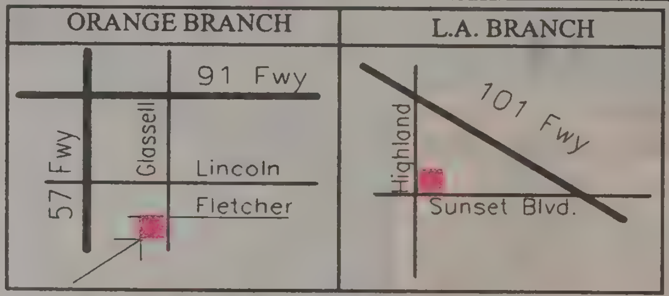

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* *Orange, CA 92665* *
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warranty, 3 day return policy. 3 day repair on all systems.

NetFocus Network Stores

Store manager: Don Bearor
9430-L Warner Ave.
Fountain Valley, CA 92708
(714)962-1311 Fax:(714)964-6717

Areas of Specialty (and In-House Specialist): Novell Networks for small business (Dave Dunlap); Windows for workstations (Don Bearor)

Operating Systems Supported: MS-DOS, Windows, Windows NT

Special Value-Added Services: Complete Novell Network based solutions for small to medium sized businesses, "turnkey" ready to run.

The Essence Group

Store manager: Kenneth K. Lee
17815 Newhope St., Unit G
Fountain Valley, CA 92708
(714)546-3110 Fax:(714)546-3803

Areas of Specialty (and In-House Specialist): Systems (Glen)
Operating Systems Supported: MS-DOS, OS/2, Windows, UNIX

Top-Selling Brands in 1992: Essence Systems, ViewSonic Monitors, Maxtor Hard Drives

Special Value-Added Services: Service, support, warranty, return policy.

Fresno

Valley Laser Products

Store manager: Kevin Pilsner
382 W. Teague, Ste. 103
Fresno, CA 93711
(209)438-1731 Fax:(209)435-3937

Areas of Specialty (and In-House Specialist): Laser printer sales (Derek Hill); Laser printer repairs (Derek Hill); Laser toner cartridge remanufacture (Jamie Fields)

Operating Systems Supported: MS-DOS, Macintosh

Top-Selling Brands in 1992: Hewlett Packard, Laser Master, Enhance Memory

Special Value-Added Services: Service, training and support for laser printers. 30 day return, Laser Master warranty service. "One Stop Printer Shop."

Fullerton

B&N Computer

Store manager: Andy Nguyen
707 S. Euclid
Fullerton, CA 92632
(714)871-5038 Fax:(714)871-6413

Areas of Specialty (and In-House Specialist): Customize software (Andy Nguyen); Novell network (Andy Nguyen); UNIX (Thang Nguyen)

Operating Systems Supported: MS-DOS, Windows NT

Top-Selling Brands in 1992: 486-33MHz System, 486-33MHz local bus, 486-50MHz

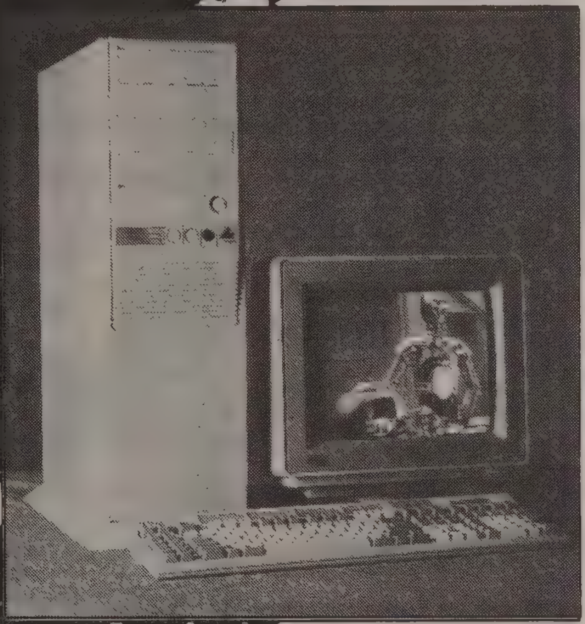
Special Value-Added Services: We offer 1 full year on-site services for Novell Netware and UNIX Customers plus a 3 week training course.

Garden Grove

ABC Computer

Store manager: Tony Chang
12391 Valley View
Garden Grove, CA 92645
(714)891-0447 Fax:(714)891-4563

Areas of Specialty: Network Systems; Multimedia System;



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250 Watt Power Supply
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1MB RAM SVGA Card
101 Enhanced Keyboard, Full Tower Case
250 Watt Power Supply
2 Serial, 1 Parallel and 1 Game Port
Serial Mouse
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Top-Selling Brands in 1992: Tatung, Panasonic, ABC Computer System
Special Value-Added Services: 1 year on-site service, upon request, one year parts and labor warranties, on-site hardware, software installation upon request.

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13161 Brookhurst St.
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(714)537-3399 Fax:(714)537-2521
Areas of Specialty: Hardware Customization; Networking; Software Development
Operating Systems Supported: MS-DOS, OS/2, Windows, UNIX
Top-Selling Brands in 1992: Citcom, Maxtor, Sony
Special Value-Added Services: Lifetime technical support.

EAP Electrocomputer Advance Products

Store manager: David & Vince Nguyen
14351 Euclid St., Unit R
Garden Grove, CA 92643
(714)554-3892
Areas of Specialty (and In-House Specialist): Computer Systems (David & Vince); Network (David & Vince); CAD/CAM (David & Vince)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: EAP 486, EAP Local Bus, EAP DX2-50MHz
Special Value-Added Services: Service, technical and in-house support. 1 year parts and labor warranty.

Progressive Computing Solutions

Store manager: Ken Baker
7077 Orangewood Ave., Ste. 114
Garden Grove, CA 92641
(714)379-5454 Fax:(714)379-5458
Areas of Specialty (and In-House Specialist): SCO UNIX (Burt Rosen); FourGen Acounting (Rich Marotta); UNIX/Windows Client-servicer (Burt Rosen)
Operating Systems Supported: MS-DOS, Windows, SCO
Top-Selling Brands in 1992: FourGen Accounting, SCO UNIX, US Robotics Modems
Special Value-Added Services: PCS specializes in customized accounting applications software based on FourGen Accounting. We provide programming, installation, training, and service for FourGen and SCO UNIX.

Gardena

Future Computer Research

Store manager: Steve Kim
15622 S. Crenshaw
Gardena, CA 90249
(310)323-9322 Fax:(310)323-9371
Areas of Specialty (and In-House Specialist): Systems (Steve Kim)

Gatetronix Control Systems, Inc.

Store manager: Ben Nguyen
15541 Broadway Center St.
Gardena, CA 90248
(310)715-6086 Fax:(310)715-6649
Areas of Specialty: Accounting; Network; PC Applications
Operating Systems Supported: MS-DOS, OS/2, UNIX
Top-Selling Brands in 1992: Fujitisu, Amazing, Chinon
Special Value-Added Services: Free estimates, free DOS tutor, 24 hour turnaround time for warranty services.

JPN Corp.

Store manager: Jun Takeuchi
17800 S. Main St. #409
Gardena, CA 90248
(310)217-0897 Fax:(310)217-1390
Areas of Specialty: Manufacture peripherals
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: JPN Floppy Disk Drive, VGA Card, IOE Card

Kamfoz Computer Systems

Store manager: Asif Kahn
14612 Crenshaw Blvd.
Gardena, CA 90249
(310)769-1970 Fax:(310)523-9190
Areas of Specialty (and In-House Specialist): Systems
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Okidata, Datamini system
Special Value-Added Services: Service, warranties, extended support.

Glendale

Computer Education International

Store manager: Ryan Granard
230 N. Maryland
Glendale, CA 91206
Areas of Specialty (and In-House Specialist): Software training
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1992: WordPerfect, Windows, Lotus
Special Value-Added Services: Software training. In-house corporate training, classroom and individual training.

Eagle Electronics

Store manager: Jim DuFour
1233 E. Colorado St.
Glendale, CA 91205
(818)244-3191 Fax:(818)244-0466
Areas of Specialty: Data Communications; Networking Supply
Operating Systems Supported: MS-DOS, Xenix
Top-Selling Brands in 1992: Netcor, Mod Tap Systems, Allied Telisis
Special Value-Added Services: Custom configuration, stocking distributor network warehouse.

Hal Computer System

Store manager: Rumy Choudhury
121 W. Wilson
Glendale, CA 91203
(818)545-8665 Fax:(818)547-1590
Areas of Specialty (and In-House Specialist): Software (Rumy Choudhury); Hardware (Rumy Choudhury); Networking (Rumy Choudhury)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: Hal computer systems, IBM, Mac
Special Value-Added Services: On-site service, Novell, Unix software, technical support, 1 year parts and labor warranty, 30 day return policy.

Infinity Design Systems

Store manager: Milton Fleitas
6623 San Fernando Rd. #C
Glendale, CA 91201
(818)240-2011 Fax:(818)240-2015
Areas of Specialty: 3D Studio; Animation; AutoCAD
Operating Systems Supported: MS-DOS, OS/2
Top-Selling Brands in 1992: TrueVision, Autodesk 3D Studio,

continued on page 35

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WHAT'S NEW IN THE PC INDUSTRY?

1. Customers, are no longer willing to pay extra for service. The illusion is that all vendors provide comparable service and a similar degree of customer satisfaction.
2. Components with good specifications do not necessarily mean they are better components or the most appropriate. For example: non-interlaced monitors are not guaranteed to be flicker free; Faster RAM chips may ultimately cause timing problems.
3. Name brand components no longer guarantee durability nor reliability. Recycled parts, pushed-to-the-limit CPU's and incompatible peripherals, enable some vendors to advertise eye-catching low cost systems that have "good specs" on paper; but spend more time in the shop than in operation.

Windows Workstations

BINARY 386 SX-33 MHz

- 4 MB RAM (Exp. to 32 MB)
- 2 Serial / 1 Parallel / 1 Game Port
- TEAC 5-1/4" Floppy Drive
- TEAC 3-1/2" Floppy Drive
- Super VGA Color Monitor (1024 x 768 Res., .28 mm)
- Super VGA Display Card (1MB RAM, 1024 x 768)
- 80 MB Hard Disk
- Mid-Size Tower Case with 230W
- Full Size AT Enhanced Keyboard

$1075 / FREE Mouse

BINARY 386 DX-33 MHz

- 4 MB RAM (Exp. to 32 MB)
- 2 Serial / 1 Parallel / 1 Game Port
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- Super VGA Color Monitor (1024 x 768 Res., .28 mm)
- Super VGA Display Card (1MB RAM, 1024 x 768)
- 80 MB Hard Disk
- Mid-Size Tower Case with 230W
- Full Size AT Enhanced Keyboard

$1175 / FREE Mouse

BINARY 386 DX-40 MHz

- 4 MB RAM (Exp. to 32 MB)
- 2 Serial / 1 Parallel / 1 Game Port
- TEAC 5-1/4" Floppy Drive
- TEAC 3-1/2" Floppy Drive
- Super VGA Color Monitor (1024 x 768 Res., .28 mm)
- Super VGA Display Card (1MB RAM, 1024 x 768)
- 170 MB Hard Disk
- Mid-Size Tower Case with 230W
- Full Size AT Enhanced Keyboard

$1275 / FREE Mouse

PERIPHERALS & UPGRADES

VGA CARDS

Super VGA Card (1024 x 768, 1 MB)	$68
Super VGA w/W.D. Accelerator (1 MB)	$105
Diamond 24X (24 Bit Processor, Hi-Color)	$178
Diamond Stealth (Video RAM, 1280, S3, 1 MB)	$230

MONITOR

14" Super VGA (1024 x 768, .28 mm)	$275
14" Super VGA (Non-Int., .28 mm)	$315
15" Flat VGA (Non-Int., .28 mm)	$465
15" NEC 3FG (1024 x 768)	$665
15" NEC 4FG (1024 x 768)	$785
17" NEC 5FG (1280 x 1024)	$1385
16" NANAO (Auto Sizing)	$1100
20" HITACHI (1280 x 1024) w/o Cable	$1395

FLOPPY & HARD DISK

TEAC 1.2 MB, 5-1/4" Floppy	$58
TEAC 1.44 MB, 3-1/2" Floppy	$55
360 KB, 5-1/4" Floppy	$20
80 MB Hard Disk (W.D. 17 MS)	$235
100 MB Hard Disk (NEC, 17 MS)	$285
120 MB Hard Disk (Maxtor, 17 MS)	$310
170 MB Hard Disk (Connor, 17 MS)	$340
210 MB Hard Disk (Maxtor, 15 MS)	$400
340 MB Hard Disk (Maxtor, 15 MS)	$695

TAPE BACK-UP

Special:	Irwin Tape Back-up (80 to 250 MB)	$130
	Colorado 120 MB	$199
	Colorado 250 MB	$265
	Colorado 700 MB	$1080
	Tape Cartridge 120/250/700 MB	$24/27/45

Binary Group

WHAT'S NOT NEW FOR BINARY?

1. We believe that good service should not add more to a system's price tag. In fact, it is to our advantage to build systems with the highest quality components; providing, what we consider to be the best values for our customers and the least service for us.
2. ALL BINARY sales personnel are technical professionals. We save our customers money by suggesting the right configuration...not the cheapest. Cheap configurations make appealing advertisements, not lasting and reliable investments.
3. Continuation of the traditional way of doing businesses...dedicated professionals who provide a great product at great price, backed by a solid warranty and a seven year old company that has out lived the competition.

Advanced CAD/CAM & Windows Workstations

BINARY 486 DX-25 MHz

- Intel 486 DX-25 CPU
- 4 MB RAM w/ 64K Cache (Exp. to 32 MB w/ 256 KB)
- 2 Serial / 1 Parallel / 1 Game
- TEAC 1.2 MB Floppy (5-1/4")
- TEAC 1.44 MB Floppy (3-1/2")
- Super VGA Display Card (1MB, Western Digital Accelerator, Paradise Comp.)
- Super VGA Monitor (1024 x 768, .28 mm)
- 170 MB Hard Disk
- Mid-Size Tower Case
- Full Size AT Enhanced Keyboard

$1465 / FREE Mouse

BINARY 486 DX-33 MHz

- Intel 486 DX-33 CPU
- 4 MB RAM w/ 64K Cache (Exp. to 32 MB w/ 256 KB)
- 2 Serial / 1 Parallel / 1 Game
- TEAC 1.2 MB Floppy (5-1/4")
- TEAC 1.44 MB Floppy (3-1/2")
- Super VGA Display Card (1MB, Western Digital Accelerator, Paradise Comp.)
- Super VGA Monitor (1024 x 768, .28 mm)
- 170 MB Hard Disk
- Mid-Size Tower Case
- Full Size AT Enhanced Keyboard

$1590 / FREE Mouse

BINARY 486 DX-50 MHz

- Intel 486 DX-50 CPU
- 4 MB RAM, w/ 64K Cache (Exp. to 32 MB w/ 256 KB)
- 2 Serial / 1 Parallel / 1 Game
- TEAC 1.2 MB Floppy (5-1/4")
- TEAC 1.44 MB Floppy (3-1/2")
- Super VGA Display Card (1MB, Western Digital Accelerator, Paradise Comp.)
- Super VGA Monitor (1024 x 768, .28 mm)
- 170 MB Hard Disk
- Mid-Size Tower Case
- Full Size AT Enhanced Keyboard

$1825 / FREE Mouse

PERIPHERALS & UPGRADES

MICE & DIGITIZERS

Microsoft Compatible, 3 Buttons	$25
Logitech Serial Mouse	$68
Logitech Bus (Mouseman)	$75
Microsoft Mouse	$65
Summasketch Digitizer 12 x 12	$295
Kurta Cordless 11 x 11 Digitizer	$345

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Pro Audio Spectrum 16 w/SCSI	$230
Sound Blaster Pro w/SCSI	$165
Sound Blaster Pro + World Atlas + Wing-Commander + 8 Sound Utilities	$195

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3Com Etherlink II	189.00
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Artisoft Lantastic AE-3 Adapter	279.00
32-bit EISA Ethernet Card	349.00
Pocket Ethernet Adapter	235.00
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Intel NetSatis*Fax*tion Server(unlimited users)	720.00
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Call for customized network cables!!!

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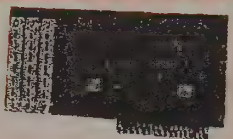

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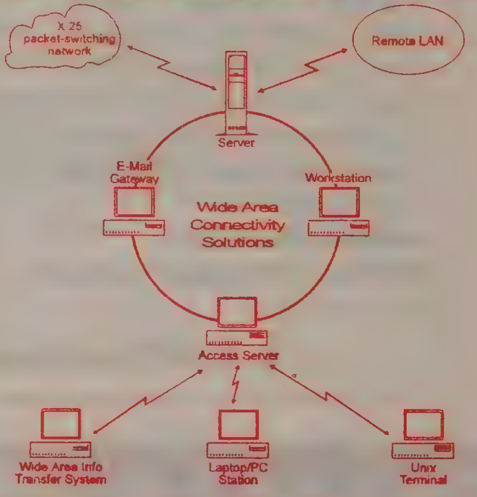

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1 Server & 4 Workstations

- **ISA 386SX/25 Mhz Server**
- 4 MB Memory Expandable to 64 MB
- 85 Mb IDE Hard Drive w/ controller
- 1.2 MB or 1.44 MB Teac Floppy Disk
- 8 bit ARCNET Card
- AT I/O Card (2S/1P/1G)
- Fujitsu 101 Keyboard
- Medium Vertical Tower Case
- 230-Watt Power Supply

- **Four ISA 286/12 Mhz Workstations**
- 1 MB RAM
- 8 bit ARCNET Card
- Diskless Boot PROMS
- AT I/O Card (2S/1P/1G)
- Fujitsu 101 Keyboard
- Desktop Case
- 200 Watt Power Supply

$2,350.00[1]

Upgrade Options: (Add)

Server to ISA 386/33 Mhz	115.00
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Server to ISA 486/33 Mhz	485.00
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Server to EISA 486/33 Mhz[2]	1,175.00
Server to EISA 486/50 Mhz[2]	1,575.00
Workstation to ISA 386SX/25	100.00
Workstation to ISA 386/33 Mhz	235.00
Workstation to ISA 386/40 Mhz	255.00
Workstation to ISA 486/33 Mhz	605.00
Workstation to ISA 486/50 Mhz	1,005.00

1. **Network Operating System is not included!**
2. **Full-Tower Case w/250 Watts Power Supply.**

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Complete Package for connecting 2 computers using Novell Netware Lite or Artisoft Lantastic/AI. Includes Peer-to-Peer Network Operating System, 25 feet of Coaxial Cables and 2 network cards.

8 bit Arcnet Card	**259.00**
16 bit Arcnet Card	**299.00**
8 bit Ethernet Card	**319.00**
16 bit Ethernet Card (CHRISTMAS SPECIAL)	**339.00**

Additional 25 feet of coaxial cable add $15.00.

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* CASH DRAWERS * POL DISPLAY*
* PRINTER * SYSTEMS * NETWORK*

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- **ACCOUNT PAYABLE MODULE**
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- **GENERAL LEDGER MODULE**
- **PAYROLL MODULE**
- **MANUFACTURING MODULE,etc.**

* All prices subject to change without prior notice.

* SCHOOLS & CORPORATES P.O. ARE WELCOME

1993 MicroTimes Guide to Southern California Computer Resellers

continued from page 30

Calcomp
Special Value-Added Services: Training for computer animation and rendering training for AutoCAD.

The Computer Network

Store manager: Mark Krynsky
1805 W. Glenoaks Blvd.
Glendale, CA 91201-1813
(818)500-3000 Fax:(818)500-0751
Areas of Specialty (and In-House Specialist): Networking (Tony); Music (Bryan); Desktop Publishing (Robert)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Atari, LANtastic
Top-Selling Brands in 1992: Atari, C-Lab, Steinberg
Special Value-Added Services: We are a complete retail store and service center for Atari and PC computers, which also offers on-site service, consulting, system set-up, and networking.

Glendora

Computer Palace

Store manager: Robert
1435-A E. Alosta Blvd.
Glendora, CA 90737
(818)335-4033 Fax:(818)335-0988
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Computer Palace

Store manager: Robert
1029 E. Broadway Ave.
Glendora, CA 91205
(818)241-2551 Fax:(818)246-5332
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Granada Hills

TopLine Solutions

Store manager: Andy Saavedra
17706 Chatsworth St.
Granada Hills, CA 91344
(818)383-3799 Fax:(818)383-2426
Areas of Specialty (and In-House Specialist): Accounting Software (Pat Mirrel); Games & Utilties (Mel Saavedra); Desktop Publishing (Alex Saavedra)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: TopLine, Brother, Leading Edge
Special Value-Added Services: Delivery, installation, training, warranty and product locating (software & peripherals).

Harbor City

Atlas Micro

Store manager: Tony Arif
1420 W. 240th St.
Harbor City, CA 90710
(310)530-6300 Fax:(310)530-6700
Areas of Specialty (and In-House Specialist): Systems (any sales); Hardware products
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Maxtor, TEAC, Atlas
Special Value-Added Services: Service, training, support, warranties.

Hawthorne

HB Computers

Store manager: Burt Hekmat
12704 Yukon Ave.
Hawthorne, CA 90250
(310)644-2602 Fax:(310)679-2732
Areas of Specialty (and In-House Specialist): Repair of Computer and Parts (Parviz Tazroo); Systems Upgrading (Behrouz Hekmatnia); Sale of Computers and Parts (Burt Hekmat)
Operating Systems Supported: MS-DOS, UNIX
Top-Selling Brands in 1992: IBM, Okidata, HP
Special Value-Added Services: Service and maintenance of computer peripherals.

Hollywood

3-6 Computers

Store manager: Frank Verdi
2120 Cahuenga Blvd.
Hollywood, CA 90068
(213)466-3636 Fax:(213)466-3693
Areas of Specialty (and In-House Specialist): Systems (Frank or Dave)
Operating Systems Supported: MS-DOS, Windows, SCO & Interactive
Top-Selling Brands in 1992: Micronics
Special Value-Added Services: Service, training, support, warranties.

ATC

Store manager: John Kim
6767 W. Sunset Blvd., Unit 23
Hollywood, CA 90028
(213)962-8610 Fax:(213)962-8613
Areas of Specialty (and In-House Specialist): Systems (John); Networking (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: ATC 486-33, ATC
Special Value-Added Services: Service, training, support, warranties.

Huntington Beach

AJ Computer Supplies

Store manager: AJ
5122 Bolsa Ave., #107
Huntington Beach, CA 92649
(714)895-5802 Fax:(714)897-9498
Areas of Specialty: Liquidation & Surplus; IBM Compatibles; Macintosh
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, Surplus
Top-Selling Brands in 1992: AST, Logitech, Ricoh
Special Value-Added Services: Warranties and support.

Binary Group, Inc.

Store manager: Robert Lee
15061 Springdale
Huntington Beach, CA 92649
(714)894-6827 Fax:(714)894-0196
Areas of Specialty (and In-House Specialist): Network (Robert Lee/Justin McBride); CAD (Robert Lee/Justin McBride)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, NetWare
Top-Selling Brands in 1992: Binary CAD System, Network System, Business System
Special Value-Added Services: No labor charge to existing customers for upgrade. Service, upgrade support, warranty, return policy.

Computer Supplies Unlimited, Inc.

Store manager: Alan Naftalis
17931 Beach Blvd., Ste. 110
Huntington Beach, CA 92647
(714)841-3393 Fax:(714)841-8926
Areas of Specialty (and In-House Specialist): Clone Specialist (Alan Naftalis)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: CSU (Computer Supplies Unlimited)
Special Value-Added Services: Sales and service.

Data Depot

Store manager: Marci Kane
16691 Gothard St., Ste. B
Huntington Beach, CA 92647
(800)899-9551 Fax:
Areas of Specialty (and In-House Specialist): Discount Computer Supplies (Marci Kane); Public Domain Software (Marci Kane)
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1992: Sony, Maxell, Pengo
Special Value-Added Services: Warranties, customer support.

Macro Computer Systems & Networking

Store manager: Michael Blake or Jon Bruss
17712 Gothard St., Ste. A
Huntington Beach, CA 92647
(714)375-5530 Fax:(714)847-0201
Areas of Specialty (and In-House Specialist): Systems (Michael Blake); Repair (Michael Blake); Hardware (Michael Blake)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: Macro Computer Systems, Maxtor, Opti
Special Value-Added Services: Service, training, support, warranties, return policy.

SA Computers

Store manager: Jamal Khayat
16882 Gothard St., Unit D
Huntington Beach, CA 92647
(714)375-7433 Fax:(714)375-7434
Areas of Specialty (and In-House Specialist): Network (Jamal Khayat); Hardware & Software Tech. Support (Jamal Khayat); IBM Compatibles (Jamal Khayat)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: SA Computers, Hewlett Packard, Intel
Special Value-Added Services: Service, lifetime technical support, 1 year parts and labor, warranty, 15 day money back guarantee.

Irvine

Computer Palace

17625 Harvard St., Ste. B
Irvine, CA 91714
(714)250-0808 Fax:(714)250-0101
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support

on full line of Apple and IBM compatibles.

Domino Computer

Store manager: Ming
17145 Von Karman Ave., Ste. 106
Irvine, CA 92714
(714)252-8494 Fax:(714)252-8495
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

H. Co Computer Products

Store manager: Mark Hojreh
17922 Sky Park Cir., Ste. F
Irvine, CA 92714
(714)833-3222 Fax:(714)833-3389
Areas of Specialty (and In-House Specialist): Memory upgrades for computers Math Coprocessors; Desktop computers (all speeds, Dena Baker)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: DTK, H Co Computer Products
Special Value-Added Services: Complete service for all computer memories.

Laser Cartridges Recycling

Store manager: John Clune
208 Technology, Ste. J
Irvine, CA 92718
(714)453-0123 Fax:
Areas of Specialty (and In-House Specialist): Refurbish Toner Cartridges (John Clune)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: HP
Special Value-Added Services: We use clean room equipment to rebuild toner cartridges. We are avid in keeping the environment clean.

PC House

Store manager: Ron Hsu
16525 Von Karman Ave., #3G
Irvine, CA 92714
(714)851-7791 Fax:(714)851-7793
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Softshoppe

Store manager: June Lee
2691 Richter Ave., #133
Irvine, CA 92714
(714)261-0922 Fax:(714)261-0116
Areas of Specialty: Shareware for IBM PC; Macintosh
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Apagee games
Special Value-Added Services: Satisfaction is guarranteed. Generous refund and replacement policy.

UniDirect Corporation

Store manager: Berni Jubb
One Venture #230
Irvine, CA 92718
(800)755-UNIX Fax:(714)707-3095
Areas of Specialty: UNIX Applications; SUN Applications; AIX Applications
Operating Systems Supported: UNIX
Top-Selling Brands in 1992: Lotus, WordPerfect, VSI Fax
Special Value-Added Services: 45 day money back guarantee on all products. No questions asked.

USM Distributors/US March Systems

Store manager: Joe Tria
17145 Von Karman Ave., Ste. 109
Irvine, CA 92714
(714)252-8335 Fax:(714)252-8354
Areas of Specialty (and In-House Specialist): dBASE (Joey Catagan); Networks (Joey Catagan)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1992: AMI, Micronics , Quickpath
Special Value-Added Services: Custom integration and networking. Government corporate and University P.O.'s welcome. 1 year parts and labor warranty.

Wilkinson Micro

Store manager: Allen Wilkinson
17801 A. Sky Park Cir.
Irvine, CA 92714
(714)724-1230 Fax:(714)724-1230
Areas of Specialty (and In-House Specialist): Windows (Allen); Networks (Jack); Databases (Allen)
Operating Systems Supported: MS-DOS, Windows, SCO
Top-Selling Brands in 1992: Wilkinson Advantage, Compaq, Everex
Special Value-Added Services: Wilkinson Micro provides quality systems at competitive prices. Our service is second to none—upgrades, repairs, Networks, training, and consulting. Our customers value our support.

Irwindale

Quality Computers, Inc.

Store manager: Jean Ung
13001 Ramona Blvd., #C
Irwindale, CA 91706
(818)960-1933 Fax:(818)337-5025
Areas of Specialty (and In-House Specialist): Novell (David Ung); UNIX (John Wang); Artisoft (David Ung)
Operating Systems Supported: MS-DOS, OS/2, Windows, SCO
Top-Selling Brands in 1992: 386DX-40MHz, 486-DX-3MHz, Local bus 32 bit IDE 1.2 ab hard drive EISA System

Universal Computer Distriburting

Store manager: Caroline Tsou
12921 Ramona Blvd.
Irwindale, CA 91706
(818)960-6000 Fax:(818)960-7990
Areas of Specialty: Hard Drives
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Seagate, Maxtor, Quantum

La Crescenta

Automation Access

Store manager: Andrew Grygus
3712 Foothill Blvd.
La Crescenta, CA 91514
(818)248-2348 Fax:(818)248-2380
Areas of Specialty: Medical office/clinic; Manufacturing; Wholesale Distribution
Operating Systems Supported: MS-DOS, OS/2, Windows, SV4.0, Multiuser DOS
Top-Selling Brands in 1992: Everex, ALR, Panasonic
Special Value-Added Services: Affordable services for complex business systems: design, hardware, software, install, training, supplies, repairs.

Independent Computer Services

Store manager: Jeff Cathcart
3827 Foothill Blvd.
La Crescenta, CA 91214
(818)957-7060 Fax:(818)957-1709
Areas of Specialty (and In-House Specialist): Network and Connectivity (Jeff Cathcart); Programming (Alene Cathcart); Accounting Systems (Jeff and Alene Cathcart)
Operating Systems Supported: MS-DOS, Novell
Top-Selling Brands in 1992: AST, Matrix Digital Producers
Special Value-Added Services: Total computer solutions for business, including consulting, programming hardware and software, sales, service, repair, and training.

Laguna Hills

MegaLink

Store manager: Ray Raufi
23121 Plaza Pointe Ste. 105
Laguna Hills, CA 92653
(714)581-8773 Fax:(714)581-8775
Areas of Specialty (and In-House Specialist): Hard drive repair (Ray Raufi); Computer repair (Ray Raufi); Upgrades (Ray Raufi)
Operating Systems Supported: MS-DOS
Special Value-Added Services: Repair and sales of hard drive and computer systems.

Lake Forest

Logicache Computers, Inc.

Store manager: Rick Pascoe/Duc "Duke" Bui
22691 Lambert St., Ste. 505
Lake Forest, CA 92630
(714)855-1211 Fax:(714)855-3892
Areas of Specialty (and In-House Specialist): CAD (Duke); Peer to Peer Networks (Rick); Plotting & Supplies (Sang)
Operating Systems Supported: MS-DOS, Windows, Novell
Top-Selling Brands in 1992: Logicache Clone, Hewlett Packard, Summagraphics
Special Value-Added Services: Service, training, support, warranties, CAD supplies.

Lawndale

Compusales

Store manager: Ralph Parry
16819 Hawthorne Blvd.
Lawndale, CA 90250
(310)370-3224 Fax:(310)370-3711
Areas of Specialty (and In-House Specialist): Systems
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Amiga
Top-Selling Brands in 1992: 486, 386

Creative Computers

Store manager: Andy Post
4453 Redondo Beach Blvd.
Lawndale, CA 90260
(310)542-2292 Fax:(310)542-9998
Areas of Specialty (and In-House Specialist): Systems (Sales Staff)
Operating Systems Supported: Amiga, Macintosh
Top-Selling Brands in 1992: Apple Macintosh, Amiga
Special Value-Added Services: Service, training, support, warranties.

Long Beach

CC Communications

Store manager: Chris Smith
3935 E. Broadway #323
Long Beach, CA 90803

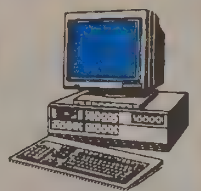
RANTEK

Computer Center
22129 Sherman Way, Canoga Park, Ca. 91303

Sales
(818) 347-1100
Service
(818) 347-5225

HOLIDAY SPECIAL

$1349⁰⁰



386-40MHz System with 4MB RAM, 1.2 & 1.44 Floppies, 120MB Hard Drive, 1MB SVGA Card, and .28 Dot Pitch SVGA Monitor, Dos 5.0, High Resolution Mouse & Pad.

NOTEBOOKS

All Notebooks Include At Least:

1Serial Port, 1 Parallel Port, KeyBoard Port, VGA Port, Battery Pack, AC Adaptor, Nylon Carrying Case, MS DOS 5.0

386SXL25 4MB RAM 60/80/120MB HD	1399/1499/1599
386SL25 4MB RAM 60/80/120MB HD	1599/1699/1799
486DX33 4MB 120MB	2399
486DX33 Color 4MB 120MB	3295
486DXII50 Color 4MB 120MB	3495

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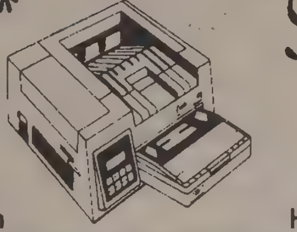

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HP Series II Compatible

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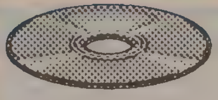

- 7TH GUEST
- AESOP'S MULTIMEDIA FABLES
- AMANDA STORIES VOL.1,2,3,4
- BATTLECHESS (MPC)
- BEAUTY & THE BEAST (MPC)
- BOOKSHELF FOR DOS/ WIN MPC 1992
- BUZZ ALDRIN'S RACE INTO SPACE
- CASTLE OF DR. BRAIN
- CHESSMASTER 3000 (MPC)
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- CONQUESTS OF LONGBOW (VGA)
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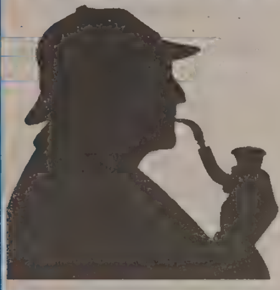
- DON QUIXOTE
- ECOQUEST I:
- ELECTRONIC HOME LIBRARY
- FABLES & FIENDS
- JETS & PROPS (MPC)
- JONES IN THE FAST LANE (MPC)
- JUST GRANDMA AND ME
- KING'S QUEST V
- LEARN TO SPEAK SPANISH
- LEISURE SUIT LARRY 1
- SHERLOCK HOLMES: CONSULTING I
- SHERLOCK HOLMES: CONSULTING II
- LOTUS 123 SMARTHELP
- MACMILLAN DICTIONARY
- MAVIS BEACON TEACHES TYPING 2
- MICROSOFT CINEMANIA
- MIXED-UP MOTHER GOOSE(MPC)
- MULTI-MEDIA AUDUBON'S MAMMALS
- MULTI-MEDIA GALLERY PC
- MULTIMEDIA COMPOSER QUEST
- MURDER MAKES STRANGE DEADFELLOWS
- OFFICE FOR WINDOWS V.3.0
- PETER & THE WOLF (MPC)
- QUEST FOR GLORY I:
- REFERENCE LIBRARY
- SPACE QUEST IV (MPC)
- SPIRIT OF EXCALIBUR
- STAR TREK THE 25TH ANNIVERSARY
- STELLAR 7
- THE CASE OF THE CAUTIOUS CONDOR
- THE FAMILY DOCTOR
- THE KGB-CIA WORLD FACT BOOK
- THE NEW GROLIER MULTIMEDIA ENC. (DOS/WIN)
- THE SLEEPING BEAUTY (MPC)
- THE STAR CHILD
- TIME TABLE OF HISTORY
- TREASURY, CRC & HICK'S - CD ROM
- TYPE GALLERY PS
- U.S. ATLAS (MPC)
- ULTIMA I-VI
- ULTIMA UNDERWORLD / Wing Com II
- WHERE IN THE WORLD (DELUXE ED.)
- WILD PLACES(MPC)
- WING COMMANDER I & II PAKS
- WORD FOR WINDOWS AND BOOKSHELF: (MPC)
- WORKS FOR WINDOWS MULTIMEDIA
- WORLD ATLAS 3.0 (MPC)
- WORLD VIEW (MPC)



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Okidata ML 321 9Pin Wide	479
Okidata ML 380 24Pin Narrow	239
Okidata ML 590 24Pin Narrow	499
Okidata ML 591 24Pin Wide	669
OkiLaser OL 400 4-6ppm HP 17 Fonts	599
OkiLaser OL 810 8ppm HP 26 Fonts	1099
OkiLaser OL 830 Postscript 8PPM	1299
OkiLaser OL 840 PostScript / HP 2Mb	1599
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SilentWriter II Model 95 2Mb RAM 35 PostScript Fonts 100% HPIII Compatable!	1499
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Canon BJ-300 600CPS 360dpi Narrow	479
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Citizen 200-GX 9-Pin	189
Citizen GSX-230 24-Pin Narrow	299
Citizen GSX-240 24-Pin Narrow	399
Citizen GSX-145 24-Pin Wide	399
Citizen GSX-240/200-GX Color Option	69
Citizen GSX-145 Color Option	69
HP LaserJet Series 4	1450
HP LaserJet Series III	1495
HP LaserJet Series IIP Plus	799
HP LaserJet Series IIIP	1050
HP LaserJet II, III, IIID Toner	89
HP LaserJet IIP/IIIP Toner	79
HP DeskJet 500	399
HPDeskJet 550C	750

MONITORS

CTX 5468 1024x768 .28 14"	299
CTX 5468NI 1024x768 14"	349
Nanao T550i	1350
Nanao T560i	1995
Nanao T660i	2799
NEC 3FGX	699
NEC 4FG 15" Flat	799
Magnavox 20"	1399
Idek 5117	975
Idek 5217	999
Inovision - Mag MX 15F	699
Inovision - Mag MX 17F	1375
Samtron 14" Mono Flat	109
Sony 1304 1024x768 .25 14"	649
Sony 1604 1024x768 .25 17"	1099
ViewSonic 5E	475
ViewSonic 6 14" 1024x768 NI	375
ViewSonic 7 17"	1295
ViewSonic 8 20"	1995

VIDEO CARDS

ATI VGA Wonder XL24 1MB	199
ATI Graphics Ultra + 1MB/2MB	349/399
ATI Graphics Ultra Pro 1MB/2MB	499/599
Diamond Stealth 1MB	289
SpeedStar 24X	250
Monographics w / LPT Port	29
Orchid Farenheit 1280 1MB	299
Trident (1Mb)	89

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24/96 Modem w/Fax Int./Ext.	99
Boca 14.4K/96 Modem w/Fax Int./Ext.	299/349
Smart One 2400B Int./Ext.	69/89
Ven-Tel 24/96 Pocket Modem w/Fax	149

CD ROMs

Sony 535 (Int./Ext.)	399/475
Sony 541(Int.)	575
Sony 7211 (Ext.)	725
Sony 541/7211 SCSI Interface	150
NEC CDR84M (Int.)	595
Sony CD Caddies	20

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1Mb Memory for HP Boards	48
Okidata OL400 w1Mb RAM	99
Okidata OL800/820 w 0Mb RAM	99
1Mb for All Oki Memory Boards	48
DFI Megalith + Memory Expansion Board	129

Because Service Doesn't Stop at the Cash Register

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(310)434-8906 Fax:(310)434-3894
Areas of Specialty: PR for Computer Business
Operating Systems Supported: MS-DOS, Windows, Macintosh
Special Value-Added Services: We do all forms of corporate communications from new product releases to speeches, manuals to videotapes.

Computers and Such

Store manager: John Davidson
958 E. Broadway
Long Beach, CA 90802
(310)437-3887/(800)879-5462 Fax:(310)437-3887
Areas of Specialty: Networking; WP; 1-2-3
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: Panasonic, Microsoft, HP
Special Value-Added Services: Training, WP-123, Windows, DOS. Service agreements, maintenance.

Goodman Music

Store manager: Andy Kendall
4145 Viking Way
Long Beach, CA 90808
(714)520-4500
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Atari
Top-Selling Brands in 1992: Apple, Atari, Yamaha
Special Value-Added Services: Apple service, Atari service.

Los Angeles

20/20 Technologies

Store manager: Ron Hosseini
6399 Wilshire Blvd., Ste. 620
Los Angeles, CA 90048
(213)852-1282 Fax:(213)852-1286
Areas of Specialty (and In-House Specialist): IBM Compatibles (Adam or Moujan); Software Applications (Adam or Moujan)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: Accel, CTX, Okidata
Special Value-Added Services: 2 years labor warranty, training, service.

Computek

Store manager: David Kim
3548 1/2 W. 8th St.
Los Angeles, CA 90005
(213)383-9900 Fax:(213)385-1621
Areas of Specialty (and In-House Specialist): Networking (Sales Staff); Computer Classes (Sales Staff); Programmers (Sales Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Amiga, Macintosh
Top-Selling Brands in 1992: Goldstar, Samsung, Edison
Special Value-Added Services: Service, training, support, warranties.

Computer Palace

Store manager: David
8504 W. 3rd St.
Los Angeles, CA 90048
(213)659-1500 Fax:(213)659-0396
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Computer Plus

Store manager: Jeff Baek
3850 Wilshire Blvd., Ste. 104
Los Angeles, CA 90010
(213)480-6777 Fax:(213)480-6781
Areas of Specialty (and In-House Specialist): Novell Gold Level (Jeff Baek); SBT Accounting Systems (John Lee); MultiMedia (Ted Oh)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX, Concurrent, DOS
Top-Selling Brands in 1992: Samsung, Computer Plus, CP 286-486
Special Value-Added Services: Service, training, support, warranties, return policy, programming—specializes in accounting.

Computer Works

Store manager: Michael Beaumont
5035B W. Slauson Ave.
Los Angeles, CA 90056
(310)337-7393 Fax:
Areas of Specialty (and In-House Specialist): Built & Burn-in systems (Michael)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: Conner, Seagate

Connecting Point Computer Centers

362 S. La Brea Ave.
Los Angeles, CA 90036
(213)857-0371 Fax:(213)857-0076
Areas of Specialty: Networking; Multimedia; Desktop Publishing
Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, Macintosh
Top-Selling Brands in 1992: Apple, Compaq, Hewlett Packard
Special Value-Added Services: On-site services, training, learning centers, rental network installation.

Data Micro Group

Store manager: Harry Mah
3847 Grandview Blvd.
Los Angeles, CA 90066
(310)398-3300 Fax:(310)391-2488
Areas of Specialty (and In-House Specialist): System Design (Harry); Office Automation (Harry)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: Macintosh, AST, IBM
Special Value-Added Services: Service, training, support, warranties.

Dav-Tech Computer Center

Store manager: Michael Simanian
6314 Hollywood Blvd.
Los Angeles, CA 90028
(213)463-3001/(800)447-3331 Fax:(213)469-7255
Areas of Specialty: Network AutoCAD; Desktop Publishing; Color Presentation
Operating Systems Supported: Windows
Top-Selling Brands in 1992: HP, AST, Toshiba
Special Value-Added Services: We are an authorized HP repair center for warranty.

Enterprise Computers

Store manager: Frances Snyder
6001 Bandini Blvd.
Los Angeles, CA 90040
(213)725-3080 Fax:(213)725-6689
Areas of Specialty: Hotel Systems; Manufacturing; Point of Sale
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1992: Enterprise, Everex, Toshiba
Special Value-Added Services: 1 year warranty on parts and labor.

Evernet Systems

Store manager: Rick Johnson
5777 W. Century Blvd., Ste. 1695
Los Angeles, CA 90045
(800)447-3658 Fax:(213)642-4606
Special Value-Added Services: Full CNE training on Novell Networks. If a student fails an exam they can sit through the appropriate class again at no additional charge.

Goodman Music

Store manager: Jim Mona
3501 Cahuenga Blvd., W
Los Angeles, CA 90068
(213)845-1145 Fax:(213)845-1199
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Atari
Top-Selling Brands in 1992: Apple, Atari, Yamaha
Special Value-Added Services: Apple service, Atari service.

Infinity Systems Group

Store manager: Jim Dao
11768 W. Pico Blvd.
Los Angeles, CA
(310)575-4690:
Areas of Specialty (and In-House Specialist): Sales (Jim Dao); Service (Jim Dao); Repair (Jim Dao).
Operating Systems Supported: MS-DOS, OS/2, Amiga, Macintosh, UNIX
Top-Selling Brands in 1992: Infinity System, ViewSonic, Orchid
Special Value-Added Services: Service, training, support, warranty, 3 day return policy. 3 day repair on all systems.

Mega PC Systems

Store manager: Mike Postrlache
5216 Hollywood Blvd.
Los Angeles, CA 90027
(213)660-9167 Fax:(213)660-9289
Areas of Specialty (and In-House Specialist): Systems (Mike); CAD, CAM-Music Systems
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: Everex, IBM, ALR

Pacifico Computer Center

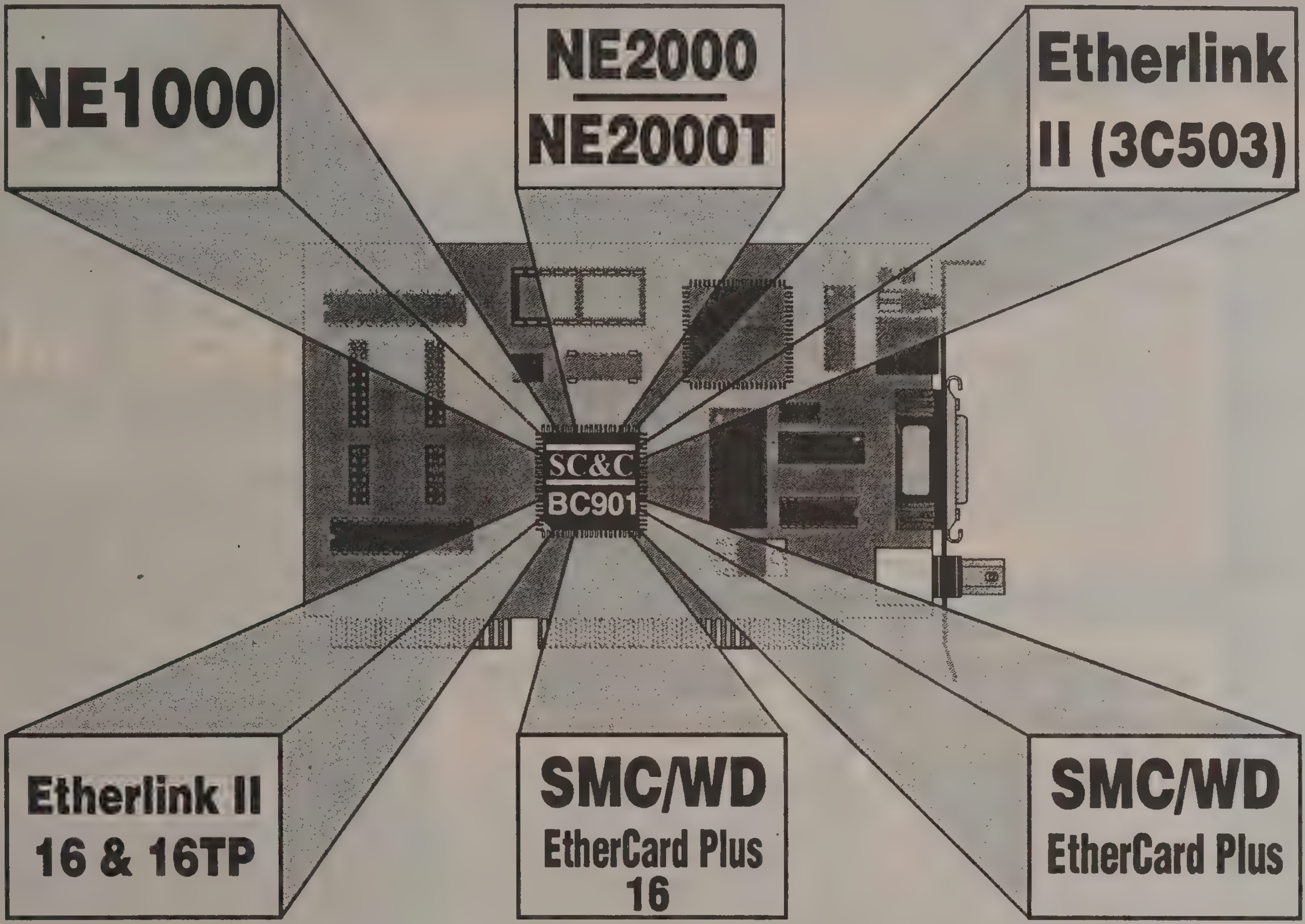
Store manager: Jeff Wilson
11540 Santa Monica
Los Angeles, CA 90025
(310)478-2522 Fax:(310)478-2423
Areas of Specialty (and In-House Specialist): Systems (Eric Gutierrex); Printers (Eric Gutierrex)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Zenith
Top-Selling Brands in 1992: HP, DTK, Epson
Special Value-Added Services: Service, training, support, warranties.

Page Computer

Store manager: Steve Dees
4665 Melrose Ave.
Los Angeles, CA 90029
(213)665-7777/(800)886-0055 Fax:(213)660-0444
Areas of Specialty (and In-House Specialist): Hardware (Sales Staff); Peripherals (Sales Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: IBM , Compact, Toshiba
Special Value-Added Services: Service, training, support, warranties.

continued on page 42

A Step Ahead of the Competition



The EtherPerfect EP-301, with our own SC&C BC901 chipset, is ahead of Novell's combo adapters and National Semiconductor-based Ethernet combo adapters. The competition's best combo adapters have just two emulation groups, while our EP-301 adapter features six! And, to make a great deal even better, we throw in our own very high performance SC&C operating mode, complete with ODI, NDIS and TCP/IP drivers!
Other features include:

- ☐ Easy-to-Use Software-Based Jumperless Setup makes the EP-301 the most user friendly Ethernet adapter in the market. Also allows setup by any combination of jumpers, software setup or network driver configuration files.
- ☐ Hardware and driver compatible with Novell's NE-1000, NE-2000, NE-2000T; WD/SMC's Ethercard Plus 8003EBT, 8013EBT; and 3Com's Etherlink II, II/16 and II/16TP.
- ☐ BNC, RJ-45, AUI ports and status LED's on the rear bracket.
- ☐ Supports 0-wait state performance and motherboard bus speeds up to 12.5Mhz.

We're Looking for Qualified Dealers to Carry This Breakthrough Product!

**We carry a Complete line of High Quality SC&C Network Products.
Call us for more details and to get prices and technical information.**

SC&C
SUREMAN COMPUTER CORPORATION

**Tel: 818-333-7730
Fax: 818-333-1803**

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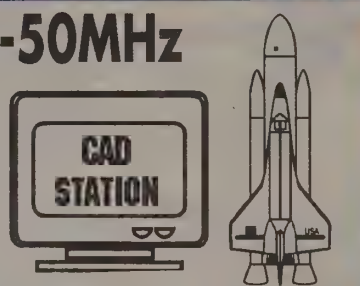
CBM Convenient Business Machines Corp.

PASADENA

Your Be

EISA 486DX-33/DX-50MHz

- INTEL 40486 PROCESSOR WITH BUILT IN MATH
- **256K CACHE RAM**
- 4MB RAM UP TO 32 MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- DUAL IDE FD/HD CONTROLLER CARD
- **212 MB HD, 15MS (BUILT IN 32K CACHE)**
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 101 ENHANCED KEYBOARD
- **EISA 32 BIT IDE FD/HD CONTROLLER CARD**
- **ORCHID 32 BIT EISA SVGA CARD W/1MB**
- **15" 1280 x 1024 SVGA MONITOR, FLAT SCREEN**



SALE PRICE:
$2415/$2675

CASH DISCOUNT: **$2345/$2595**

486DX -66MHz

(25% FASTER THAN DX-50)

- **256K CACHE RAM**
- **212MB HD, 15MS (BUILT-IN 64K CACHE)**
- INTEL 486 PROCESSOR WITH MATH
- 4MB RAM UP TO 32 MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 16 BIT SUPER VGA CARD W/1 MB RAM
- 14" 1024 X 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $2008

CASH DISCOUNT: **$1950**

486DX-50MHz

SALE PRICE: $1950

CASH DISCOUNT: **$1895**

Upgrade to MAXTOR 340MB HD only add $350

486DX-33MHz

- **256K CACHE RAM**
- **125MB HD, 17MS (BUILT-IN 32K CACHE)**
- INTEL 486 PROCESSOR WITH MATH
- 4MB RAM UP TO 32MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 16 BIT SUPER VGA CARD W/1 MB RAM
- 14" 1024 X 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $1495

CASH DISCOUNT: **$1450**

PRO SYSTEM LOCAL BUS

486DX-33MHz

- **256K CACHE**
- **125MB HD, 17ms (BUILT-IN 32K CACHE)**
- 4MB RAM UP TO 32 MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 32BIT SVGA CARD, 32K COLORS W/1 MB RAM
- 14" 1024 X 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $1645

CASH DISCOUNT: **$1595**

486DX2-50MHz

- **256K CACHE**
- **212MB HD, 15MS (BUILT-IN 64K CACHE)**
- 4MB RAM UP TO 32 MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 32BIT SVGA CARD, 32K COLORS W/1 MB RAM
- 14" 1024 X 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $ 2160

CASH DISCOUNT: **$2095**

486SX-25MHz

(30% FASTER THAN 386)

- 64K CACHE RAM
- 4MB RAM UP TO 32MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- 105MB HD, 17MS (BUILT-IN 32K CACHE)
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 16 BIT SUPER VGA CARD W/1MB RAM
- 14" 1024 x 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $1210

CASH DISCOUNT: **$1175**

386DX-40MHz

- 64K CACHE RAM
- 4MB RAM UP TO 32MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- 105MB HD, 17MS (BUILT-IN 32K CACHE)
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 16 BIT SUPER VGA CARD W/1MB RAM
- 14" 1024 x 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD

SALE PRICE: $1110

CASH DISCOUNT: **$1075**

MULTIMEDIA PACKAGE

MPC
Multimedia PC

486SX-25MHz

- 64K CACHE RAM
- 4MB RAM UP TO 32MB RAM ON BOARD
- 1.2MB & 1.44MB FLOPPY DRIVE
- 105MB HD, 17MS (BUILT-IN 32K CACHE)
- DUAL IDE FD/HD CONTROLLER
- AT I/O: 2 SERIAL/1 PARALLEL/1 GAME
- 16 BIT SUPER VGA CARD W/1MB RAM
- 14" 1024 x 768 0.28 DOT SVGA MONITOR
- 101 ENHANCED KEYBOARD
- HI-RES MOUSE & SPEAKERS

+

- SOUND BLASTER PRO (20 VOICE, 22FM Ch)
- CD ROM DRIVE (540MB, 390 MS, 64K BUFFER)
- MIDI INTERFACE KIT
- VOICE INPUT CAPABILITY
- BUILT-IN AMPLIFIER 4 WATTS/Ch

5 CD ROM DISCS INCLUDED:
($3,000 VALUE)

MS WORKS FOR WINDOWS MULTIMEDIA VERSION
MS BOOKSHELF LIBRARY • MACROMIND ACTION
AUTHORWARE STAR • CREATIVE PROSOUNDS DISK
SHERLOCK HOLMES • TEMPRA

SALE PRICE: $1750

CASH DISCOUNT: **$1695**

EPSON

AUTHORIZED DEALER

AP-3250 24PIN $199
>50 SHEET PAPER
>5 BUILT-IN FONTS
>2 SCALABLE FONTS

LQ-570 24PIN $259
>250 CPS
>10 BUILT-IN FONTS
>2 SCALABLE FONTS

Panasonic
Office Automation OA

AUTHORIZED DEALER

KX-2123 24PIN $235
>COLOR OPTION
>240 CPS
>16K BUFFER

KX-2124 24PIN $309
>COLOR OPTION
>320 CPS
>30K BUFFER

COLOR KIT $45

COMPUTER

Choice

CALL FOR PRICES
WE BEAT ANY PRICE
ADVERTISED IN MICROTIMES

NOTEBOOK SPECIALS

Student PC

386SX-20MHz

- **2MB RAM**
- **HIGH SPEED 40 MB HARD DRIVE**
- BACKLIT 9.5" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2.5 HOUR BATTERY
- 2 SERIAL/1 PARALLEL PORT
- AC ADAPTOR, CARRYING BAG
- WEIGHT 7 LBS (W/ BATTERY)

SALE PRICE: $1080

CASH DISCOUNT: **$1050**

Manager's business PC

Encyclopedia Notebook makes your dreams come true, because it has a built-in AC to DC adaptor (which saves users from carrying the extra pounds), 9600FAX/2400MODEM, and car adaptor, bag. Encyclopedia is the answer to today's portable computer needs

386SX-25MHz

- 2MB RAM UP TO 4 MB
- HIGH SPEED 80 MB HARD DRIVE
- **BUILT-IN 9600 FAX/2400 MODEM**
- **BUILT-IN AC/DC ADAPTOR**
- **CAR ADAPTOR**
- BACKLIT 9" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2 SERIAL/ 1 PARALLEL PORT
- EXTERNAL MONITOR, KEYBOARD PORT
- CARRYING BAG
- WEIGHT 6.4 LBS (W/ BATTERY)

SALE PRICE: $1440

CASH DISCOUNT: **$1395**

486SX-25MHz

(30% FASTER THAN 386)

- 4MB RAM
- HIGH SPEED 120MB HARD DRIVE
- **BUILT-IN 9600 FAX/2400 MODEM**
- **BUILT-IN AC/DC ADAPTOR**
- **CAR ADAPTOR**
- BACKLIT 9" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2 SERIAL/ 1 PARALLEL PORT
- EXTERNAL MONITOR, KEYBOARD PORT
- CARRYING BAG
- WEIGHT 6.4 LBS (W/ BATTERY)

SALE PRICE: $1850

CASH DISCOUNT: **$1795**

COLOR NOTEBOOK

386SX-25MHz

- 4MB RAM
- HIGH SPEED 80 MB HARD DRIVE
- 16 COLORS
- BACKLIT 8.5" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2 SERIAL/1 PARALLEL PORT
- AC ADAPTOR, CARRYING BAG
- WEIGHT 7 LBS (W/ BATTERY)

SALE PRICE: $2415

CASH DISCOUNT: **$2345**

Engineer PC

486DX-33MHz

- BUILT IN MATH COPROCESSOR
- BUILT IN 8K CACHE
- 4MB RAM UP TO 16 MB
- HIGH SPEED 120 MB HARD DRIVE
- BACKLIT 8.5" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2 SERIAL/ 1 PARALLEL PORT
- EXTERNAL NUMERIC KEYPAD
- AC ADAPTOR, CARRYING BAG
- WEIGHT 7 LBS (W/ BATTERY)

SALE PRICE: $2055

CASH DISCOUNT: **$1995**

CAD PC

486DX2-50MHz

- BUILT-IN MATH COPROCESSOR
- BUILT-IN 8K CACHE
- 4MB RAM UP TO 16MB
- HIGH SPEED 212 MB HD, 15MS
- BACKLIT 8.5" 640 X 480 VGA SCREEN
- BUILT-IN 3.5" 1.44 MB FLOPPY DRIVE
- 2 SERIAL/ 1 PARALLEL PORT
- EXTERNAL NUMERIC KEYPAD
- AC ADAPTOR, CARRYING BAG
- WEIGHT 7 LBS (W/ BATTERY)

SALE PRICE: $2415

CASH DISCOUNT: **$2395**

MONITOR

	Regular/Cash
VIEWSONIC 7E 17"	$1080/1040
VIEWSONIC 5E	$420/400
VIEWSONIC 6E	$350/335
CTX 14" 1024 X 768 0.28 DOTS (I)	$263/255
CTX 14" 1024 X 768 0.28 DOTS (NI)	$299/290
CTX 1760 17" 1280 x 1024 0.31 DOTS	$690/670
KFC 17" 1280 x 1024 0.26 DOTS	$900/875
KFC 15" 1280 X 1024 SVGA	$495/510
14" 1024 X 768 0.28 DOT SVGA	$250/240
14" 1024 X 768 0.28 DOT SVGA (NI)	$285/275

ADD-ON BOARD

OAK SVGA 1MB	$61/59
OAK SVGA 512K	$45/44
VGA 256K	$33/32
ATI WONDER XL (OEM) 1MB	$135/130
ATI GRAPHIC ULTRA 1MB	$345/335
ORCHID FAHRENHEIT 1280 1 MB	$200/195
AT I/O 2S / 1P / 1G	$21/20
IDE W/IO 2S / 1P / 1G	$21/20
PRINTER CARD	$11/10
IDE CARD	$16/15
2400 BPS INTERNAL MODEM	$41/40

KEYBOARD & MICE

MONTEREY 101 KEY	$24/23
MAXI SWITCH 101 KEY	$36/35
FOCUS 2001	$44/42
FUJITSU 4700 101 KEY	$47/45
CP-3 MOUSE	$13/12
TRUE TRACK BALL	$26/25
HANDY MOUSE	$41/40
DOS 5.0 W/MOUSE (OEM)	$46/45
WINDOWS 3.1 (OEM)	$50/49

MOTHER BOARD

386SX-25 W/CPU	$134/130
386DX-40 64K CACHE W/CPU	$227/220
486SX-25 64K CACHE	$160/155
486DX-33 256K CACHE	$195/190
486DX-33 256K CACHE W/LOCAL BUS	$216/210
486DX2-50 256K CACHE	$226/220
486DX2-50 256K CACHE W/ LOCAL BUS	$247/240
486DX-50 256K CACHE	$257/250
486DX-50 256K CACHE W/ LOCAL BUS	$280/270
486DX-33 256K CACHE EISA BUS	$433/420
486DX-50 256K CACHE EISA BUS	$465/450

PLEASE CALL FOR PRICING ON CPU, MEMORY AND HARD DRIVE

NOVELL. NETWORK SPECIAL

AUTHORIZED DEALER

SERVICER: (1 USER)

- 486-33MHz, 256K CACHE
- 4MB RAM
- 212MB HARD DISK (15MS)
- 1.2 & 1.44MB FLOPPY DRIVE
- 14" MONO MONITOR
- 16 BIT ETHERNET CARD
- MIDDLE TOWER CASE
- 230W POWER SUPPLY

STATIONS: (4 USERS)

- 386SX-25MHz
- 1MB RAM
- 1.2MB (OR 1.44MB) FLOPPY DRIVE
- 14" 1024 X 768 SVGA MONITOR
- 16 BIT ETHERNET CARD
- MINI TOWER CASE
- 200W POWER SUPPLY

SALE PRICE: $4940 *CASH DISCOUNT:* **$4795**

INCLUDING: NOVELL NETWARE V3.11 (5 USERS)

WE HAVE TWO CNE TO SERVICE ALL YOUR NETWORK NEEDS

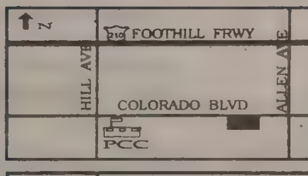
ADDITIONAL PARTS

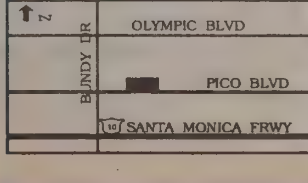
16 BIT ETHERNET CARD	$105	16 BIT 10 BASE-T ETHERNET CARD	$125
8 BIT ETHERNET CARD	$95	NOVELL V3.11 (5 USERS)	$CALL
16 BIT ARCNET CARD	$70	12 PORT CONCENTRATOR	$525
8 BIT ETHERNET CARD	$50	400W UPS W/MONITOR CARD	$450

PASADENA COMPUTER

Present the Latest Technology of Computer & Networking Solutions.
>One Year Parts & Labor Warranty
>Lifetime Technical support
>AST, ALR, EPSON, PANASONIC ViewSonic...Authorized Dealer
>Free Estimate
>72 Hours Burned-in Test

BUSINESS HOURS:
MONDAY-FRIDAY 9:00-6:00
SATURDAY 10:00-6:00





Pasadena Main Office:
1756 E. Colorado Blvd.
Pasadena, CA 91106
Tel: (818) 568-9133
Fax: (818) 568-9132

West LA Branch:
11737 West Pico Blvd.
LA, CA 90064
Tel: (310) 575-4028
Fax: (310) 575-3831

1993 MicroTimes Guide to Southern California Computer Resellers

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Pasadena Computer Center
Store manager: Joanna Chen
11737 W. Pico Blvd.
Los Angeles, CA 90064
(213)575-4028 Fax:(213)575-3831
Areas of Specialty (and In-House Specialist): Notebooks (Sarim Colouos); Mini-Systems
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: CBM, Panasonic, Epson
Special Value-Added Services: Warranties, technical support, service.

PC Factory
Store manager: Moe Davari
11838 Pico Blvd.
Los Angeles, CA 90064
(310)444-9003 Fax:(310)444-9608
Areas of Specialty: Small Networking up to 10 Stations; Lawyers & Writers
Operating Systems Supported: MS-DOS, UNIX
Top-Selling Brands in 1992: AST, Everex, PCF Microsystems
Special Value-Added Services: Full tech support w/800 number, warranties, return.

Perspect Systems, Inc.
Store manager: Glenn Bulycz
5301 Beethoven St., Ste. 155
Los Angeles, CA 90291
(310)821-7884 Fax:(310)827-5360
Areas of Specialty: Graphic Design Systems; Pre-press system integration; High-performance networks
Operating Systems Supported: Windows, Macintosh, Novell
Top-Selling Brands in 1992: AGFA, Apple, SuperMac
Special Value-Added Services: Perspect offers in-depth consulting, sales, on-site service, training, copiloting and leasing of equipment for the graphic arts.

TekMark
Store manager: Rusty Ruscetta
2000 Stadium Way Blvd. RC5
Los Angeles, CA 90026
(213)250-8572 Fax:(213)250-8252
Areas of Specialty (and In-House Specialist): MS DOS (Sylvan Malis); Dr. DOS
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: AST, Toshiba, NEC
Special Value-Added Services: Custom software, training, Novell consulting, LAN design and installation, service contracts, educational PC software.

Top Computer Systems
Store manager: Kenny
401 S. Vermont Ave., #516
Los Angeles, CA 90020
(213)384-6601 Fax:(213)384-6713
Areas of Specialty: Networking; System Consulting; Computer Class
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1992: Novell, Hyundai, SBT

Unitec Computer Stores
Store manager: David Ghadoushi
12024 Wilshire Blvd.
Los Angeles, CA 90025
(310)820-2400 Fax:(310)826-1455
Operating Systems Supported: MS-DOS, OS/2, Macintosh
Top-Selling Brands in 1992: Toshiba, Sharp, Everex
Special Value-Added Services: Return policy, depending on manufacturers support, warranties, training.

Warever Software
Store manager: Jeff Sherman
10961 Palms Blvd.
Los Angeles, CA 90034
(310)280-0386
Areas of Specialty (and In-House Specialist): Networking(Jeff Sherman); Accounting (Jeff Sherman); DTP (Jeff Sherman
Operating Systems Supported: MS-DOS; Windows; Windows NT
Top-Selling Brands in 1992: ALR, Novell, SMC
Special Value-Added Services: We provide hardware and software sales, installations, training, repair, service and support, as well as custom software. We are networking specialists from 2-200 users.

West LA Music
Store manager: Rick Waite
11345 Santa Monica Blvd.
Los Angeles, CA 90025
(310)477-1945 Fax:(310)477-2476
Areas of Specialty (and In-House Specialist): Computer Systems (Krystin Anderson); Rack Systems (George Adjieff)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1992: Macintosh, Atari
Special Value-Added Services: Customer service and support are the key. We have specialists who can design a system for anyone's needs.

Malibu

MacByte Computers
Store manager: Bob Maus
22775 Pacific Coast Hwy.
Malibu, CA 90265
(213)317-1588 Fax:(213)317-1583
Areas of Specialty: Buy/sell/trade Mac computers and peripherals
Operating Systems Supported: Macintosh
Top-Selling Brands in 1992: Apple, SuperMac, Microtek
Special Value-Added Services: Recycle Macintosh computers, offer warranty upgrades, and some service.

Manhattan Beach

Fry's Electronics, Inc.
3600 Sepulveda Blvd.
Manhattan Beach, CA
(310)364-3797 Fax: (310)364-3700
Operating Systems Supported: MS-DOS, OS/2, Macintosh, Windows, Windows NT
Special Value-Added Services: 7 days a week service, extended warranty, on-site service.

Mira Mesa

Micro City Computer Superstore
Store manager: Bryan Baigle
9370 Waples St.
Mira Mesa, CA 92121
(619)552-9355
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, support, training, warranties.

Monterey Park

Computer Pacer
Store manager: Cecilia Ning
1460 Monterey Pass Rd., #B
Monterey Park, CA 91754
(213)264-3728 Fax:(213)264-1481
Areas of Specialty (and In-House Specialist): Wholesaler in computer parts (Cecilia Ning)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Conner, Maxtor, Western Digital
Special Value-Added Services: On-site service, extended warranty, service contract, technical support.

Newbury Park

Computer Disk Service
Store manager: Patrick Roberts
3537 Old Canego Rd.
Newbury Park, CA 91320-2157
(805)499-6355 Fax:(805)499-0346
Areas of Specialty: Hard drive; Repair; Sales.
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Miniscribe, Seagate, Maxtor
Special Value-Added Services: Sales, maintenance contracts, data recovery, extended warranties. Quality repair.

Newport Beach

Home Automation Systems
Store manager: David Tan
21 Seascape Drive
Newport Beach, CA 92663
(714)642-6610/1-(800)SMART-HM Fax:(714)642-7190
Areas of Specialty: Home Automation Products; Control of audio/visual, HVAC, lights; Unique personal computer hardware.
Operating Systems Supported: MS-DOS
Special Value-Added Services: Free technical support, 30 day money back guarantee. Free home automation system design assistance. Free catalog, low price guarantee.

Tecni-Source
Store manager: D. Cverovrett
1809 Westcliff #12
Newport Beach, CA 92660
(714)669-8452 Fax:(714)754-0989
Areas of Specialty: Telecommunications Fax/Network
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Clones Only
Special Value-Added Services: Custom assembly, installation, upgrades, etc.

North Hollywood

A-1 Computer Repair
Store manager: Jeffrey Grossman
112255 Magnolia Blvd.
North Hollywood, CA 91601
(818)985-8097 Fax:(818)508-5827
Areas of Specialty (and In-House Specialist): Novell Networks (Jeffrey Grossman); All printer & PC Repair (Jeffrey Grossman); Monitor Repair (George Kuyumian)
Operating Systems Supported: MS-DOS, Windows NT, Macintosh
Top-Selling Brands in 1992: A-1 Clone, Novell
Special Value-Added Services: We offer a repair warranty of 3 months labor, 6 months parts. Free in-house estimates, reasonable rates.

Americal Group Computer Prod.
Store manager: Bijan Chardorchi
12132 Sherman Way
North Hollywood, CA 91605
(818)765-3040 Fax:(818)765-3887
Areas of Specialty (and In-House Specialist): Computer Diskette (Tony Nguyen); Computer Data Cartridges (Tony Nguyen); Computer Accessories (Tony Nguyen)

486 - 66 MHz DX2 Station

8 MB RAM
256 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
Ultra Stor Cache Controller
210 MB IDE Hard Drive
Enhanced Key Board
Full Size Vertical Case
ATI Graphic Ultra
MAG 15" N-I Monitor
Serial Mouse

$2825

$88.11/Month

486 - 50 MHz CAD Station

8 MB RAM
256 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
Ultra Stor Cache Controller
210 MB IDE Hard Drive
Enhanced Key Board
Full Size Vertical Case
Stealth VRAM SVGA
MAG 15" N-I Monitor
Serial Mouse

$2695

$84.06/Month

486 - 50 MHz SPECIALS

4 MB RAM
256 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
210 MB IDE Hard Drive
Enhanced Key Board
Full Size Vertical Case
SVGA Card (1MB)
SVGA N-I Monitor
Serial Mouse

$1879

$79.74/Month

486 - 33 MHz SPECIALS

4 MB RAM
256 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
120 MB IDE Hard Drive
Enhanced Key Board
Mini Vertical Case
SVGA Card (1MB)
SVGA N-I Monitor
Serial Mouse

$1489

$63.19/Month

486SX - 25 MHz SPECIALS

4 MB RAM
64 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
120 MB IDE Hard Drive
Enhanced Key Board
Mini Vertical Case
SVGA Card (1MB)
SVGA 1024 x 768 Monitor
Serial Mouse

$1179

$50.04/Month

386 - 40 MHz Super VGA

4 MB RAM
128 KB Cache
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
120 MB IDE Hard Drive
Enhanced Key Board
Mini Vert. or Desktop Case
SVGA Card (1 MB)
SVGA 1024 X 768 Monitor
Serial Mouse

$1149

$48.76/Month

MISC.

MAG MX15F Monitor (15" - 0.28mm Dot Pitch)	$575
MAG MX17F Monitor (17" - 0.28mm Dot Pitch - 1280 X 1024)	$1080
NEC 4FG Monitor (15" - 0.26mm Dot Pitch)	$735
IDEK 5217 Monitor (17" - 0.28mm Dot Pitch)	$915
Arcus CM1448 Monitor (14" - 0.28 mm Dot Pitch, Non-Interlaced)	$275
Arcus CM1402 Monitor (14" - 0.28 mm Dot Pitch, Interlaced)	$245
Orchit Fahrenheit 1280 24 Bit Super VGA Card (1 MB)	$210
DPT SCSI Controller (ISA)	$325
DPT SCSI Controller (EISA)	$625
PRO SPECTRUM 16 Bit Stereo Sound Board	$190
ATI Graphic Ultra	$325
ATI Graphic Pro (2 mb)	$549
SpeedStar 24 Bit Hi-Color Super VGA Card (1 MB)	$160
SpeedStar Stealth Super VGA Card (1 MB)	$210
MicroSolution Tape Backup 80 MB (External - Plug into Parallel Port)	$425

386SX - 33 MHz Super VGA

2 MB RAM
1.2 & 1.44 MB Floppy Drive
2S / 1P / 1G
80 MB IDE Hard Drive
Enhanced Key Board
Mini Vertical Case
SVGA Card (512 KB)
SVGA 1024 X 768 Monitor
Serial Mouse

$869

LASERFICHE LAN

Document Imaging Software for Novell Networks.

*If your documents represent value, **and***

If losing your documents will cause irrevocable damage to your business,

*We offer an **inexpensive** solutions to your company. **Easy input** and **Output** via computer.*

Laserfiche Lan is a trademark of Compulinks Management.

486-50/66 MHZ EISA

486-50/66 MHz EISA Motherboard
8 MB RAM
256 KB Cache
1.2 & 1.44 MB Floppy Drive
2S/1P/1G
Maxtor 340 MB SCSI Hard Drive
ADAPTEC 1742B SCSI Controller
Vertical Case
(300 W. Power Supply)
ATI Graphics Ultra
MAG 17" Non-Interlaced Monitor
(1280 x 1024)
Focus 9000 Keyboard

$3995/$4095

NETWORK PRODUCTS

8 Bit Ethernet Card	$79
16 Bit Ethernet Card	$105
8 Bit Arcnet Card	$55
16 Bit Arcnet Card,	$75
Arcnet Active Hub (8 Ports)	$125
NOVELL Netware V. 2.2 (5 Users)	$505
NOVELL Netware V. 2.2 (10 Users)	$1035
NOVELL Netware V. 3.11 (10 Users)	$1350
NOVELL Netware V. 3.11 (20 Users)	$1900
SCO UNIX Sys. V (Unlimited Users)	$1025
SCO Multiview Window Environment	$280
Digiboard	Call

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Computer Technology
A-1
1987 - 1992

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El Monte, CA 91731
Tel: (818) 575-2882 Fax: (818) 575-8058

PAYING TOO MUCH FOR YOUR HARD DRIVES? COMPARE CSC PRICES!

BRAND NEW DRIVES

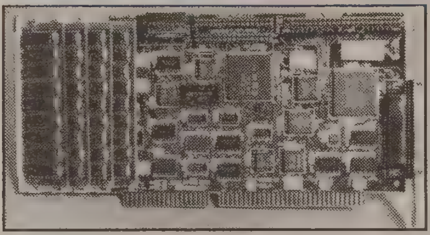
NEW SCSI Hard Drives	Qty 1	Qty 10
Seagate ST1239N, 3.5", 207MB, 15 ms	$469	**$395**
Seagate ST41200N, FH, 1040MB, 15 ms	$1495	**$1395**
Seagate ST41650N, FH, 1415MB, 15 ms	$1695	**$1495**

NEW ESDI Hard Drives	Qty 1	Qty 10
Seagate 94196-766, FH, 640MB, 17 ms	$995	**$895**
Toshiba MK358FA, FH, 660MB, 16 ms	$995	**$695**

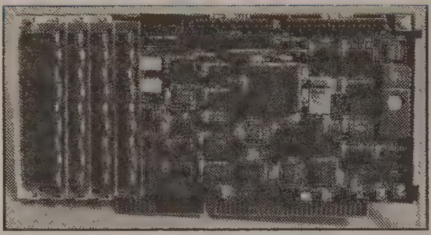
NEW Optical Drives and Media	Qty 1	Qty 10
Maxtor OC400, WORM media, 386MB, 512 byte,	$39	**$25**
Maxtor OC800, WORM media, 786MB, 512 byte	$79	**$49**
Maxtor OC1000-1024, Erasable optical disc, 1058MB, 1024 byte	$149	**$99**
Maxtor OC650, Erasable optical disc, 592MB, 512 byte	$129	**$95**
Maxtor RXT800HS, SCSI, WORM, drive	$595	**$495**
Maxoptix Tahiti I, SCSI optical drive, 1024MB, 35 ms	$1495	**$1395**

NEW CSC IDE and SCSI FastCache Controllers	Qty 1	Qty 10
CSC Fastcache IDE, REV B, 2HD/4FD, 0K RAM installed No drivers are required for DOS or OS2 applications; to 64MB, supports 4 floppies including 2.88MB drives	$175	**$139**
CSC Fastcache-64 SCSI, 7HD/4FD, 1MB cache installed Supports up to 7 SCSI hard, tape and CD-ROM, cache expands to 64MB, supports 4 FD, incl. 2.88 MB drives	$295	**$195**
CSC Fastcache-64 sold w/free 2.88MB FD or 4 MB cache upgrade	$395	

FULL FIVE YEAR WARRANTY STANDARD ON ALL CSC CONTROLLERS!



CSC SCSI FASTCACHE – ONLY $295



CSC IDE FASTACHE – ONLY $175

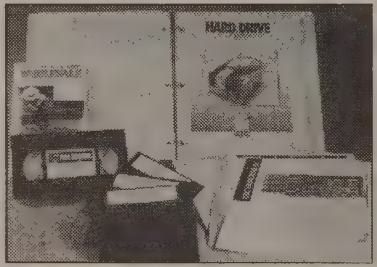
NEW Disk Controllers	Qty 1	Qty 10
DTC 6280, 16 bit, ESDI, 1:1 interleave, 2HD/2FD	$69	**$59**
DTC 6282-24, 16 bit, ESDI, HD/FD, 24 MBit, 32K cache	$129	**$120**
DTC 3280AS, 16 bit, SCSI, ASPI, w/Novell, OS2, CD-ROM drivers	$139	**$125**
SDC800, economy 8 bit SCSI for DOS	$29	**$22**
WD1007AB, Western Digital, 16 bit ESDI, 2HD/2FD	$69	**$49**

NEW Tape Drives	Qty 1	Qty 10
WangDAT 1300N, SCSI, HH, 1.3/2.0 GB, 4 mm	$995	**$895**

NEW DRIVES HAVE A ONE YEAR WARRANTY; EXTENDED WARRANTIES ARE AVAILABLE

Hard Drive Bible, 5th Edition, w/video, free shipping	$39.95

The Hard Drive Bible is an encyclopedia of information on hard drives. It contains installation instructions, jumper settings, drive parameter tables, and setup information on hundreds of hard, optical, and tape drives. Also included are jumper settings and compatibility information on controller cards and driver software. Don't miss the benchmark chapter with performance and reliability test reports. This book and the included software are essential for all dealers and system integrators who install hard drives.



Our New Showroom Is Now Open at – 730 North Pastoria Avenue in Sunnyvale.

Visit our new retail showroom on Pastoria Ave. in Sunnyvale, just off Mathilda and Hwy. 101. All of the products advertised here are on display. We don't use "call" instead of listing a price as you will have noticed in this ad. Everything is right up front. Skilled sales and support staff will advise you on your hard disk needs and problems. They'll be glad to make recommendations for hard drive upgrades for DOS, OS/2, Windows, Macintosh, Sun, and Novell applications.

QUALITY REFURBISHED DRIVES

Quality Refurbished ESDI Hard Drives	Qty 1	Qty 10
Maxtor 8610E, FH, 510MB, 16 ms, 1 year	$695	**$495**
Maxtor 9380E, FH, 335MB, 16 ms, 90 day	$549	**$479**
Maxtor 8800E, FH, 660MB, 13 ms, 1 year	$895	**$849**
CSC 1.3E kit, FH, 1300MB, 13 ms, incl. drive, controller, cables, 1 year	$1395	**$1295**

The CSC 1300Mb high performance drive kit offers rock-solid 13 ms ESDI performance that blows any IDE drive away! A fast 22 Mbit/sec interface and true 13 ms average seek coupled with a 20 head design make these ideal for network servers and workstations. Sold as preformatted kits with a new 24 Mbit/sec DTC cache controller. Quantities are limited so call soon to avoid disappointment!

Quality Refurbished SCSI Hard Drives	Qty 1	Qty 10
Maxtor LXT340SR, 3.5", 340MB, 15 ms, 1 year	$695	**$649**
Maxtor LXT213SY, 3.5", 213MB, 14.5 ms, 1 year	$469	**$419**
Maxtor 8760SR, FH, 660MB, 16.5 ms, 1 year	$895	**$695**
Maxtor LXT535SR, 3.5", 535MB, 12 ms, 1 year	$895	**$795**
Maxtor 8380SR, FH, 361Mb, 14.5 ms, 90 day	$649	**$619**
Maxtor PO-12S, FH, 1.2GB, 13 ms, 1 year	$1395	**$1295**

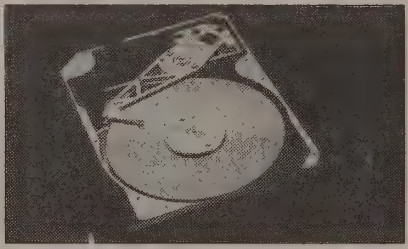
The Maxtor 8760SR is an ideal drive for the server, the power user working with Windows software which usually fills up a drive fast, and anyone desiring high performance and large capacity. These drives are factory refurbished and in like-new condition. Add $150 for a full five year warranty.

Quality Refurbished IDE Hard Drives	Qty 1	Qty 10
Maxtor LXT200A, 3.5", 201MB, 15 ms, 1 year	$349	**$319**
Conner CP3204F, 3.5", 213MB, 16 ms, 90 day	$349	**$319**
Maxtor LXT340A, 3.5", 340MB, 15 ms, 1 year	$795	**$719**

The Maxtor LXT200A drive is an excellent choice for the computer-user just assembling a system for use in business or college. Large capacity, incredible performance, and excellent pricing, as low as $1.58 per MB, make it an unbeatable buy. Power users might want to install two!

Refurbished Optical Drives	Qty 1	Qty 10
Maxoptix Tahiti I, SCSI optical drive, 1024MB, 35 ms, 90 day warranty	$1295	**$995**

The Maxoptix Tahiti I drive is a high performance erasable optical drive which uses 650MB ISO and 1 GB(!) Maxoptix cartridges. The removable cartridges are virtually indestructible and as fast as many hard drives! Need another gigabyte? Just pop in an inexpensive erasable disk! The cartridges are rugged, erasable, with an unlimited useful life. These drives are available as internal units or in the external Megatower enclosure which can be attached to any standard SCSI port!



Maxtor 8760S – $895

Tahiti
Maxoptix

Maxoptix Tahiti I – $1295

CSC factory refurbished drives are available at competitively low prices, and are completely rebuilt, not just repaired. All drives are burned in, and tested using final test factory equipment. Every refurbished drive is backed by CSC's fast-turnaround 90 day or one year warranty, and extended warranties up to 5 years are available. All CSC refurbished drives meet or exceed manufacturer's new drive specifications. You won't find a better buy.

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Please plan your purchase, then call the above number between 7:30 AM and 5:30 PM PST, M-F, to check stock and place your order. Most orders are shipped within 48 hours. UPS and Federal Express surface, second day, and next day shipping are available. Economy truck shipping is available for large orders upon request. Fed-Ex Saturday delivery is available in most areas.

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Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, Macintosh, UNIX
Top-Selling Brands in 1992: Sony, HP, 3M
Special Value-Added Services: Lifetime warranty on disk.

Hy Tec
Store manager: George Hartownian
12040 Burbank Blvd.
North Hollywood, CA 91607
(818)769-0911
Areas of Specialty: Networking; Accounting; MicroComputers
Operating Systems Supported: MS-DOS, OS/2, UNIX
Top-Selling Brands in 1992: HP, Citizen, Panasonic
Special Value-Added Services: Custom design, support, system integration.

Northridge

Better Domain Inc./ComputerLand
Store manager: JB-John Barro
8919 Reseda Blvd.
Northridge, CA 91324
(818)886-5511 Fax:(818)886-5583
Areas of Specialty (and In-House Specialist): Network Set-up Installation (Henry/Eric); Word Processing (Eric/JB); System Upgrades and Configuration (Henry/Eric/JB)
Operating Systems Supported: OS/2, Windows, Macintosh, DR DOS 6
Top-Selling Brands in 1992: Compaq, Hewlett Packard, Microsoft
Special Value-Added Services: Service, repair on all major brands. In and out of warranty repair and service available. Support for most major vendors.

Fast Computing
Store manager: William Duan
8676 Lindley Ave.
Northridge, CA 91325
(818)701-0146
Areas of Specialty: Accounting
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Conner, Teac
Special Value-Added Services: Custom support.

Monitor Repair Center
Store manager: Duke Do
18711 Parthenia St., Unit #4
Northridge, CA 91324
(818)775-1669 Fax:(818)775-1669
Areas of Specialty (and In-House Specialist): Computer monitors, terminals (Duke, Dinh, Jackson); Computer printers (Duke, Dinh, Jackson); TV, VCR, Video equipment (Duke)
Operating Systems Supported: MS-DOS, OS/2, Macintosh
Special Value-Added Services: Flat rate, low prices, fast turnaround.

Oceanside

I-Deal Computers
Store manager: Tony Snider
3214 San Helena Dr.
Oceanside, CA 92056
(619)722-4892 Fax: same
Areas of Specialty: Windows and Windows applications
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: TEAC, Maxtor, Panasonic
Special Value-Added Services: On-site consulting and sales for: system selection, software installation, maintenance, repair, upgrades, networking, supplies, and training.

Orange

A-Ok Computers
Store manager: Kay Ann Davison
1650 N. Glassell Ste. L
Orange, CA 92667
(714)283-2388 Fax:(714)283-2343
Areas of Specialty (and In-House Specialist): Computer new & upgrade & repair (Michael); Software new & liquidation (Kay)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1992: IBM, Windows, A-Ok Computers
Special Value-Added Services: We offer quality service and individual attention, in all areas, computers, software, etc. with special attention to beginners. We go all the way for service for you.

ATC
Store manager: Dave Cho
2440 N. Glassell St., Unit M
Orange, CA 92665
(714)974-9868
Areas of Specialty (and In-House Specialist): Systems (John); Networking (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: ATC 486-33, ATC
Special Value-Added Services: Service, training, support, warranties.

Vision 21 Systems
Store manager: David Keeler
2324 N. Batavia #114
Orange, CA 92665
(714)998-4264 Fax:
Areas of Specialty (and In-House Specialist): Graphics/MultiMedia (David Keeler); Networks (Robert Tu)
Operating Systems Supported: MS-DOS, Windows, SCO
Top-Selling Brands in 1992: Vision 21 Systems, Truevision, Autodesk
Special Value-Added Services: 1 year parts and labor limited warranty, credit allowance on originally purchased Vision 21 computers when upgraded.

Pasadena

California Computer Systems
Store manager: Henry Loh
950 E. Colorado #102
Pasadena, CA 91106
(818)304-0882 Fax:(818)304-1154
Areas of Specialty (and In-House Specialist): Notebook (Henry Loh/Rich Yio); Network (Henry Loh/Rich Yio); Desktop PC (Henry Loh/Rich Yio)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, SPARC, SUN
Top-Selling Brands in 1992: Sager, Tatung
Special Value-Added Services: 1 year warranty parts and labor.

Connecting Point Computer Centers
277 S. Lake Ave.
Pasadena, CA 91101
(818)584-1111 Fax:(818)584-0007
Areas of Specialty (and In-House Specialist): Networking; Multimedia; Desktop Publishing
Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, Macintosh
Top-Selling Brands in 1992: Apple, Compaq, Hewlett Packard
Special Value-Added Services: On-site services, training, learning centers, rental network installation.

DI-NO Computers
Store manager: Larry Moon
2091 E. Colorado Blvd.
Pasadena, CA 91107
(818)795-6674
Areas of Specialty (and In-House Specialist): Accounting (Willis Masri); Video Animation & 3D Rendering (Tom Jacob/Thomas Way); Multi-Media (Tom Jacob/Thomas Way)
Operating Systems Supported: Macintosh
Special Value-Added Services: Trained/qualified Apple Macintosh Specialist.

Domino Computer
Store manager: John
1270 Lincoln Ave., Ste. 1600
Pasadena, CA 91103
(818)398-0111 Fax:(818)398-9797
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

Jet Research Laboratories
Store manager: Jennifer Go
450 G Fair Oaks Ave.
Pasadena, Ca 91105
(818)578-0456 Fax:(818)578-0527
Areas of Specialty (and In-House Specialist): Novell Network (Tsui G. Tang); The Medical Manager (Jennifer Go); Accounting Software (Tsui Tang)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: IBM, Compaq, AST
Special Value-Added Services: We offer service, training, maintenance and support for all products sold. Specialize in complete office automation for practice mgt., legal, acctg., pos & we also do customized programming.

Maximus
Store manager: Henry Salim
117 North Lake Ave.
Pasadena, CA 91101
(818)585-0888 Fax:(818)585-0839
Areas of Specialty (and In-House Specialist): System Integrator; Networker
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: 486 EISA System, 486 Local Business System, 486 WIN-STATION
Special Value-Added Services: Support, on-site service.

New Technologies
Store manager: Luis Bouza
461 N. Lake
Pasadena, CA 91101
(818)356-0391 Fax:(818)356-0068
Areas of Specialty (and In-House Specialist): Novell Gold Dealer; Multimedia; Windows
Operating Systems Supported: MS-DOS, OS/2, Macintosh, SCO
Top-Selling Brands in 1992: Hewlett Packard, Epson, Sony
Special Value-Added Services: On-site service, repair services, LAN, phone support, 14 day money back guarantee.

Pasadena Computer Center
Store manager: Linda Yang
1756 E. Colorado Blvd.
Pasadena, CA 91106
(818)568-9133 Fax:(818)568-9132
Areas of Specialty (and In-House Specialist): Networking

Datamini
SYSTEM

QUALITY AND RELIABILITY

486-33 DX LOCAL BUS

- 80486DX-33 CPU
- 256K Cache
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- 130MB IDE Drive
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- 14" Interlaced SVGA Monitor, .28 dpi
- Mini Tower Case Digital
- Enhanced 101KB

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486-50 DX INTEL CPU

- 80486DX-50 CPU
- 256K Cache
- 4MB Memory 70n/s
- 130MB IDE Drive
- Floppy 1.2 & 1.44 FD
- S.V.G.A. 1MB Trident
- Super IDE I/O
- 14" Interlaced SVGA Monitor, .28 dpi
- Mini Tower Case Digital
- AT 101 Keyboard

$1629.00

486-33DX INTEL CPU

- 80486DX-33 CPU
- 256K Cache
- 4MB Memory 70 n/s
- 130MB IDE Drive
- Floppy 1.2 & 1.44 FD
- Trident w/1MB
- Super IDE I/O
- 14" SVGA Monitor, .28 dpi
- Mini Tower Case Digital Display
- AT 101 KB Enhanced

$1419.00

486-33DX MHZ 256K CACHE

CPU CYRIX
80486DLC-33 CPU
256K Cache
4MB Memory 70 n/s
130MB IDE Drive
Floppy 1.2 & 1.44 FD
Trident w/1MB
Super IDE I/O
14" SVGA Monitor
.28 dpi
Mini Tower Case
Digital Display
AT 101 KB Enhanced

$1229.00

386-40DX

- 80386DX-40 CPU
- 64K Cache
- 4MB Memory 70 n/s
- 130MB IDE Hard Drive
- Floppy 1.2 & 1.44 FD
- Trident w/1MB
- Super IDE I/O
- 14" SVGA Monitor, .28 dpi
- Mini Tower Case Digital Display
- AT 101 KB Enhanced

$1029.00

386SX-33

- 80386SX-25 CPU
- 2MB Memory 70 n/s
- 42MB IDE Hard Drive
- Floppy 1.2 & 1.44 FD
- 16 bit SVGA w/256K
- Super IDE I/O
- 14" SVGA Monitor
- Mini Tower Case Digital Display
- 101 KB Enhanced

$739.00

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Original IBM Computers

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Postscript, 35 Fonts, 2MB RAM
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2MB, Postscript,

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386-40 MHZ 64Cache	$179.00
386-33 SX	$105.00
496-33 DX INTEL	$550.00
486-33 DLC Cyrix	$379.00
486-50 MHZ DX Intel	$769.00

H.P. LASER PRINTER

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H.P.III	CALL
H.P.III P	CALL
H.P.Desk Jet 500	CALL
H.P.Desk Jet 500 C	CALL

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SVGA 0.28	$245.00
SVGA (NI) 0.28	$279.00

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42 MB IDE	$149.00
130 MB IDE	$259.00
213MB IDE	$359.00

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1993 MicroTimes Guide to Southern California Computer Resellers

(Kevin); Micro Systems (Lisa Lee)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Panasonic, Epson
Special Value-Added Services: Warranties, technical support, service.

PC House

Store manager: Luke Chu
1671 E. Colorado Blvd.
Pasadena, CA 91106
(818)568-8585 Fax:(818)568-8586
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

PC Systems Design

Store manager: Wilson Liu
240 S Lake Ave.
Pasadena, CA 91101
(818)792-1391 Fax:(818)792-0015
Areas of Specialty (and In-House Specialist): Desktop Publishing (Fred Ladjavardi); Accounting Solution (Wilson Liu); LAN/UNIX (Wilson Liu)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: HP, Toshiba, Apple
Special Value-Added Services: Quality computer solutions w/ complete service and support.

US Technologies

Store manager: Raymond Frost
748 E. Colorado Blvd.
Pasadena, CA 91101
(818)568-3833 Fax:(818)568-3985
Areas of Specialty (and In-House Specialist): Custom Software (Howard Lim); Novell Network (Derek Lam)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Panasonic, Epson, ViewSonic
Special Value-Added Services: Hardware repair & upgrade; Business Automation solution; Networking & custom software application. 1 year warranty on all hardware.

Playa del Rey

Business Support Group

Store manager: Allen M. Glymph
336 Culver Blvd., #3
Playa Del Rey, CA 90291
(310)822-7929 Fax:
Areas of Specialty (and In-House Specialist): Accounting Systems (Allen Glymph); Custom Applications Development (Donna Dade); Novell Network Installation (Amir Glymph)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Amiga, Macintosh
Top-Selling Brands in 1992: Novell, SCO Xenix, Foxpro
Special Value-Added Services: The business support group specializes in delivering custom programs and accounting systems on Novell Networks. We provide, sales, training, and support.

Rancho Cucamonga

Computer Palace

Store manager: Ed
9798-B Foothill Blvd.
Rancho Cucamonga, CA 91730
(714)944-4009 Fax:(714)944-5500
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

MicroTek Computers

Store manager: John Holley
8325 Haven Ave., Ste. 206
Rancho Cucamonga, CA 91730
(714)483-1687
Areas of Specialty (and In-House Specialist): IBM Compatible (John Holley); Novell Netware (Joseph Maestas); LANTastic
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Novell, Netware, LANtastic
Special Value-Added Services: We offer service contract and suport on all PC LAN network. Training on MS-DOS network users, WordPerfect, Word STAR, Lotus 1-2-3, dBASE IV, software application programing for specified requirements.

Redlands

Redlands Computer Center

Store manager: Mel Richter
817 W. Colton Ave.
Redlands, CA 92374
(714)798-4791 Fax:(714)798-0457
Areas of Specialty: Desktop publishing; System integration; Networking
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh
Top-Selling Brands in 1992: DTK Computers, Edison Technologies, Canon
Special Value-Added Services: On-site service, 1 year parts, 2 years labor.

Reseda

MicroTree

Store manager: Sasson Sarooei
18566 Sherman Way
Reseda, CA 91335
(818)996-9133
Areas of Specialty: Desktop Publishing; CAD; Networking
Operating Systems Supported: MS-DOS, Macintosh, Novell
Top-Selling Brands in 1992: AST, Everex, HP
Special Value-Added Services: 1 year warranty, networking, custom configurations, cabling, multimedia. Free lifetime warranty on labor.

Valerio Enterprises, Inc.

Store manager: Rosangela Rizzi
6925 Canby Ave., #106
Reseda, CA 91335
(818)343-1038 Fax:(818)343-1294
Areas of Specialty (and In-House Specialist): Novell/LANtastic (Ron Riazi); PC Repair (Robert Zamora); Citizen Printer Repair (Rejman Mansourian)
Operating Systems Supported: MS-DOS, OS/2, UNIX, Novell/LANtastic
Special Value-Added Services: 24 hour computer repair turn-around time, lifetime labor warranty on system sales.

Riverside

Niles Computers

Store manager: Fred Haton
3840 Myers St.
Riverside, CA 92503
(714)352-9334 Fax:(714)352-9393
Areas of Specialty (and In-House Specialist): Systems Specialist (Niles Haton); Network Specialist (Fred Haton); Software Specialist (Sundip Doshi)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Microsoft, DataEase, Compaq
Special Value-Added Services: Service, training, support, warranties, return policy.

PC House

Store manager: Khen Wong
3860 Tyler St.

CITICOM COMPUTER INC.

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We Will Beat Any System Price
In This Magazine *

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COMPLETE SUPER VGA SYSTEM 486DX2-50MHz w/ 256K Cache

$1425

- Intel CPU & AMI BIOS
- Mini-Tower Case
- 230W Power Supply
- 4MB RAM (70ns)
- 120MB IDE Hard Drive
- 1.2MB & 1.44MB Floppy Drive
- Tatung SVGA Color Monitor
- 16 BIT Super VGA Card
- 101 Enhanced Keyboard
- 2S, 1P, 1G Ports
- FREE MOUSE

COMPLETE VGA SYSTEM 386DX-40MHz w/ 64K Cache

$795

- AMI BIOS
- Mini-Tower Case
- 230W Power Supply
- 1MB RAM (70ns)
- 80MB IDE Hard Drive
- 1.2MB or 1.44MB Floppy Drive
- VGA Color Monitor
- 16 BIT VGA Card
- 101 Enhanced Keyboard
- 2S, 1P, 1G Ports
- FREE MOUSE

CITICOM BAREBONE SYSTEMS

286-25MHz		$225
386DX-40MHz	w/ 64K Cache	$335
386SX-33MHz		$275
486SX-25MHz	w/ 64K Cache	$375
486DX-33MHz	w/ 256K Cache	$675
486DX-50MHz	w/ 256K Cache	$875
486DX2-50MHz	w/ 256K Cache	$715
486DX2-66MHz	w/ 256K Cache	$925

System Includes:

- Desktop or Mini-Tower Case
- 230 Watt Power Supply
- 1MB RAM
- 1.2MB or 1.44 MB Floppy Drive
- Dual Floppy & Hard Controller
- 101 Enhanced Keyboard
- 2S, 1P, 1G Ports
- Clock & Calendar
- 1 Year Limited Warranty

Hard Disk Drives

Conner CP3000	40MB IDE (29ms, 9K Cache)	$175
Conner CP30084	80MB IDE (17ms, 64K Cache)	$225
Conner CP30104	120MB IDE (17ms, 64K Cache)	$285
Conner CP30174	170MB IDE (17ms, 64K Cache)	$325
Maxtor MX-7120AT	130MB IDE (15ms, 64K Cache)	$295
Maxtor MX-7213AT	213MB IDE (15ms, 64K Cache)	$385
Seagate ST3144	130MB IDE (16ms, 32K Cache)	$285
Quantum LPS12A012	120MB IDE (15ms, 256K Cache)	$305
Quantum LPS24A012	240MB IDE (15ms, 256K Cache)	$495

* We Carry All Brands & Models

Monitors

14" Monochrome (Paper White)	$ 90
14" VGA Color (.42mm, 800x600)	$195
14" Tatung Super VGA Color (.39mm, 1024x768)	$245
14" Super VGA Color (.28mm, 1024x768)	$265
14" Super VGA Non-Interlaced (.28mm, 1024x768)	$295
NEC 3FGX 15" SVGA Non-Interlaced (.28mm, 1024x768)	$645
NEC 4FG 15" SVGA Non-Int. (.28mm, 1024x768, Dig.)	$745
NEC 5FG 17" SVGA Non-Int. (.28mm, 1280x1024, Dig.)	Call
Viewsonics 7 17" SVGA (Non-Int. 1280x1024, .28mm)	Call

* We Carry All Brands & Models

Printers

Epson LQ-570	$ 265
Panasonic KX-P1180I	$ 155
Panasonic KX-P4410	$ 625
HP LaserJet IIP Plus	Call
HP LaserJet IIIP	Call
HP LaserJet 4 (NEW)	Call
LM 1000/4 (1000 DPI)	$2745

Misc.

High Res. Ser. Mouse	$ 15
Microsoft Ser. Mouse	$ 59
2400 Baud Modem	$ 35
1.2MB or 1.44MB FDD	$ 55
MS-DOS 5.0 (w/ Sys.)	$ 40
MS-Windows 3.1	$ 45
Multi-Media Kit	$ 545

Notebook Blow Out Special

386SXL-25MHz

- 2MB RAM
- 80MB Hard Drive
- 1.44MB Floppy
- LCD VGA Display
- and many features

$1395

486DX-33MHz

- 4MB RAM
- 120MB Hard Drive
- 1.44MB Floppy
- LCD VGA Display
- and many features

$1975

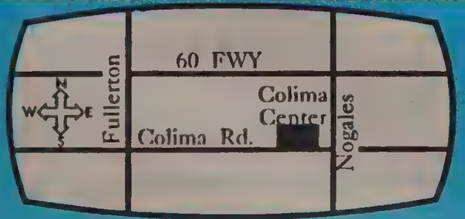
Add-On Cards

16 BIT Arcnet Network Card	$ 69
16 BIT Ethernet Network Card	$ 95
IDE Controller w/ 2S, 1P, 1G Ports	$ 15
16 BIT VGA Card w/ 256K	$ 29
TVGA-8900C VGA Card w/ 1MB	$ 59
Orchid Fahrenheit 1280 1MB (VRAM, High Color)	$225
Diamond Stealth 1MB (VRAM, High Color)	$225

Network

Novell Netware Lite
Novell Netware V2.2
Novell Netware V3.11
Lantastic
Network Installation
Network Maintenance

Call



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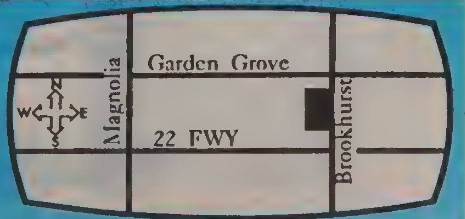
All Prices Reflect 3% Cash Discount

* System Price Comparison Must Reflect Same or Equivalent Brands and Parts.

Terms & Conditions: All parts and systems carry a One Year Limited Warranty except monitors and printers which warrant by manufacturers. Prices and availability subject to change without notice.



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Garden Grove, CA. 91641
Tel: (714) 537-3399
Fax: (714) 537-2521

Cardstar, Starlite Notebook™

Color 486 Notebook-Cardstar™

ALL THE POWER

- 486DX-33MHz(Cardstar1000/2000/3000DX), 486SX-25MHz(Cardstar1000SX)
- 4Mb standard (Expand to 8Mb, 12Mb by Credit Card Memory)
- Removable 80HDD - As many as HDD you wish... (120,180Mb Option)
- Active Color (Cardstar3000), Passive Color (Cardstar2000), MonoVGA (Cardstar1000)

ALL THE EXPANDABILITY

- PCMCIA V2.0 slot - for FRASH memory, Fax/Modem, Network card
- 16 Bit Standard ISA card slot built in -Unlimited Expandability- First in Notebook
- 160Pin Docking connector
- Modular Fax/Modem slot

STANDARD FEATURE

- PCMCIA 2.0 compatible - Flash memory, LAN card, Modem/Fax
- Credit card Memory slot
- Internal Removable FDD- Can be changed with battery pack
- Two Removable battery or 1 battery and 1/2 8 Bit AT card slot or 2/3 16 Bit AT card slot
- Removable 80Mb HDD (120,180Mb Optional) -Very easy to change or Upgrade
- PORTS -Serial, Printer, PS2 Mouse, Ext 800x600VGA, 101 Keyboard Port, Suspend switch
- A/C 90-260V auto switching, Quick Battery Charger
- Each battery up to 1 hour- Up to 3 batteries
- Slot for Fax/Modem or 2nd Serial port
- 160pin Docking connector
- 83 key menbrane 3mm keystoke
- Cardstar3000- Active color 8.5" (16color-640x480. 256 color-320x200)
- Cardstar2000- Passive color 8.5"(16color-640x480, 256color-320x200)
- Cardstar1000 - Mono VGA 64 Gray scale 9.5"
- 6.6 L/b w/2 Batteries
- DOS 5.0 & WINDOWS 3.1
- Carring case

OPTIONS

- Removable HDD (80,120,180Mb)
- Credit card Memory(4, 8Mb)
- Battery
- Car Adapter
- Modular Internal Fax/Modem
- Docking Station
- Desktop PC bay for Removable HDD

Cardstar1000SX..........	**$2,195**	■ Mono VGA ■ 486SX25Mhz, 4mb RAM ■80Mb HDD
Cardstar1000DX..........	**$2,495**	■ Mono VGA ■ 486DX33Mhz, 4mb RAM ■80Mb HDD
Cardstar2000DX..........	**$3,495**	■ Passive Color ■ 486DX33Mhz, 4mb RAM ■80Mb HDD
Cardstar3000DX..........	**$4,695**	■ Active Color ■ 486DX33Mhz, 4mb RAM ■80Mb HDD

Super Slim Notebook - Starlite™

386SXL-25, 1⅛" THICK, 4.29L/B WITH REMOVABLE FDD

Starlite
The Thinnest(29.9mm)
The Lightest(1.9kg)

ALL THE EXPANDABILITY

- Internal Removable FDD - Can be changed Battery & Track ball
- PCMCIA V2.0 compatible(Starlite299P - Flash Memory, Fax/Modem, Network interface)
- Two expansion Slots- Battery can be exchanged with IBM-AT compatible interface

STANDARD FEATURE

- 80386SXL-25MHz
- 80Mb HDD (Option 120,180Mb)
- Mono VGA 10" 64 Gray scale
- NP299- 2Mb RAM (Ext 4Mb), NP299P- 4Mb RAM (Ext 8MB)
- 1.44Mb Removable FDD
- One Removable battery
- Carring case
- 8"x11" 1.17"thick, 4.29L/B w/battery& FDD
- Ports- Serial, Printer, External 101Key, External Monitor
- DOS 5.0 & WINDOWS 3.1

Starlite-299...............$1695

- 386SXL25, 2Mb RAM, 80Mb HDD, Mono VGA

Starlite-299P..............$1895

- 386SXL25, 4Mb RAM, 80Mb HDD, Mono VGA
- PCMCIA V2.0 Compatible slot

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Computer Tower

Dealer Inquired Welcome

137 8th Ave #J La Puente, CA 91744. (818)336-0907, Fax (818)336-9647

* Schools & Corporates P.O are Welcome * All notebook come with one year parts & labor warranty.
* All Returns are subject to our approval and must have prior autorazition. Return items must be in there original condition.
* All refund items must be return within 14days of invoke. There will be a 20% restocking fee after the 15day period and within 30days of invoice. Thereafter, Only repair or exchanges are available during the rest of the warranty period.

1993 MicroTimes Guide to Southern California Computer Resellers

Riverside, CA 92507
(714)688-9505 Fax:(714)688-4917
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Rowland Heights

Citicom Computer

18759 Colima Rd
Rowland Heights, CA 91748
(818)913-6555 Fax:(818)913-5270
Areas of Specialty (and In-House Specialist): Hardware Customization; Networking; Software Development
Operating Systems Supported: MS-DOS, OS/2, Windows, UNIX
Top-Selling Brands in 1992: Citcom, Maxtor, Sony
Special Value-Added Services: Lifetime technical support.

New Technologies

Store manager: Sam Lau
19230 Colima Rd.
Rowland Heights, CA 91748
(818)965-7004 Fax:(818)913-6936
Areas of Specialty: Novell Gold Dealer; Multimedia; Windows
Operating Systems Supported: MS-DOS, OS/2, Macintosh, SCO
Top-Selling Brands in 1992: Hewlett Packard, Epson, Sony
Special Value-Added Services: On-site service, repair services, LAN, phone support, 14 day money back guarantee.

San Diego

Lender Support Systems, Inc.

Store manager: Dan DeMarco
2565 Camino Del Rio South #102
San Diego, CA 92108
(619)291-7172 Fax:(619)291-5654
Areas of Specialty (and In-House Specialist): Loan Software (Dan DeMarco/Peter Sysdoriak)
Operating Systems Supported: MS-DOS, Netware
Top-Selling Brands in 1992: Loanbase III Plus, WordPerfect
Special Value-Added Services: Service, support, full return and warranty.

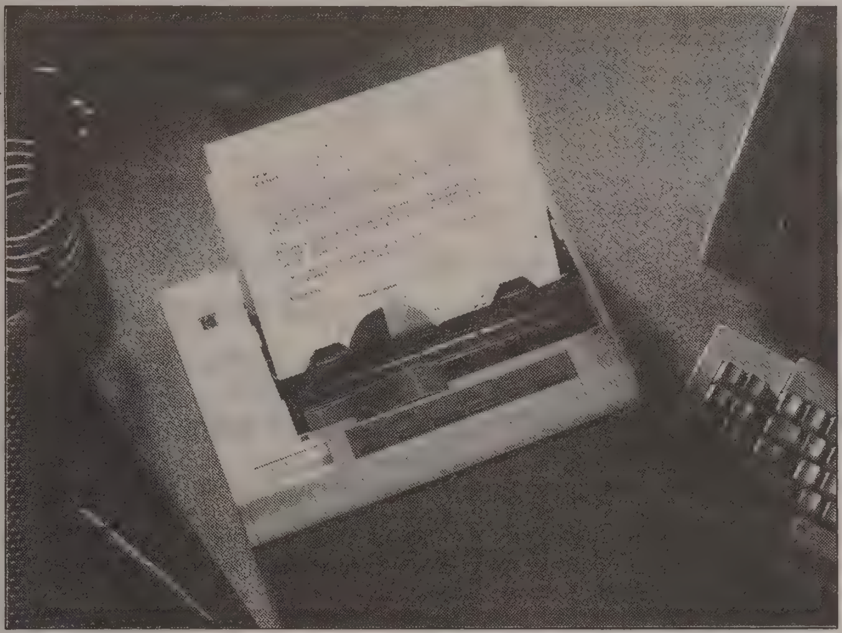
Micro City Computer Superstore

Store manager: Roger Molloy
3365 Rosecrans St., Ste. C
San Diego, CA 92110
(619)523-0510 Fax:
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, support, training, warranties.

PC House

Store manager: Finne Trina
7240 Clairemont Mesa Blvd.
San Diego, CA 92111
(619)571-5698, 5699, 5863 Fax:(619)571-5864
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson

KODAK DICONIX 701 Printer
Mobile Printing Performance



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It takes up less space on your desk than a piece of paper, yet delivers sharp, laser quality 300x300-dpi text and graphics in a hurry–up to 3 pages per minute. It's an ideal choice for desktop office printing with your IBM-compatible PC, on the road with your notebook computer, or anywhere in between. A great value, a great way to boost your productivity.

- Built-in 30 sheet feeder; uses plain paper
- Quiet ink-jet performance
- WINDOWS Software driver
- Prints portrait and landscape
- Optional battery power
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MICRO UNIVERSE
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✓ Logitech Scanman Plus, 400 DPI, 4" Wide, Bundled w/GrayTouch & Catchword Intelligent OCR	~~$395~~	$135
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✓ Floor Demo - 90 Days Warranty	~~$795~~	$395
✓ W/Auto Document Feeder, Floor Demo 90 Days Warranty	~~$995~~	$595
LOGITECH MOUSE		
✓ C9 Hi-Resolution Series	~~$175~~	$65
✓ Logitech 2 Button Hi-Resolution Mouse, MD14-400DPI, Curve INCLUDES: Driverfor DOS & Windows	~~$35~~	$15

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100+...$10

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HOURS:
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Convert Your AST 286 System to 386/20MHz w/64K Cache, 1Meg RAM... **ONLY $195**

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101 AT Keyboard (Floor Demo)	$15
FAST RAM w/512K	$55
RAMpage + 286 Exp. Memory	$65
386 Cupid Memory Exp.	$100
VGA Board For Workstations	$50
486/25 & 486/33 Motherboards	CALL

FOR MORE AST PARTS......CALL!

AST 486/33MHz
INCLUDES: 4 MB Memory
110MB HD IDE
3 1/2" & 5 1/4" Drive
101 Keyboard
Logitech Mouse
1 Year Warranty
ONLY $1295

1993 MicroTimes Guide to Southern California Computer Resellers

Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

San Dimas

InfoSoft

Store manager: Jim Foran
100 W. Foothill Blvd., Ste. 205
San Dimas, CA 91733
(714)592-5561 Fax:
Areas of Specialty (and In-House Specialist): Accounting (Jim Foran); Medical Dental (Jim Foran); Networks
Operating Systems Supported: MS-DOS, UNIX
Top-Selling Brands in 1992: Epson, DataPro Accounting, Medical-Dental Manager
Special Value-Added Services: Turnkey system, consulting, training, on-site support, and warranty services.

San Juan Capistrano

Micro City Computer Superstore

Store manager: Debra Shepard
33959 Doheny Park Rd., Ste. B
San Juan Capistrano, CA 92677
(714)489-0226 Fax:
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, support, training, warranties.

San Marino

Consumer Computing

Store manager: Chris Carlson
2481 Mission St.
San Marino, CA 91108
(818)799-2290 Fax:(818)446-1071
Areas of Specialty: Desktop Publishing; Enertainment; Database
Operating Systems Supported: MS-DOS, Windows, Amiga, Macintosh, Apple II
Top-Selling Brands in 1992: Macintosh, Amiga, IBM
Special Value-Added Services: Custom programming, training, on-site installation, printing and desktop publishing.

Santa Ana

A Software Duplication Wizard

Store manager: Arnold Balliet
2917 W. Pendelton Ave.
Santa Ana, CA 92704
(714)641-6691 Fax:(714)641-6693
Areas of Specialty (and In-House Specialist): Software Duplication (Arnold Balliet); Customer Service (Dennis Bode)
Operating Systems Supported: MS-DOS, OS/2, Amiga, Macintosh, UNIX
Special Value-Added Services: 100% satisfaction guaranteed.

ACP Superstore

Store manager: Kay Duncan
1310 E. Edinger
Santa Ana, CA 92705
(714)558-8813 Fax:(714)558-1603
Areas of Specialty (and In-House Specialist): Hardware Systems/IC's (Gilberto); CD-ROM Systems (Pat); Computer Accessories (John)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Logitech, Microsoft, Colorado Tape Drives
Special Value-Added Services: Full service department, technical support, warranties.

ACS Advanced Computers

Store manager: Kevin Dang
1714 E. McFadden Ave., Ste. O
Santa Ana, CA 92705
(714)648-0325 Fax:(714)648-0326
Areas of Specialty (and In-House Specialist): Networking (Kevin Dang)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: ACS Computer Systems, ViewSonic Monitors, Panasonic Printers
Special Value-Added Services: Warranties, training, support, repair, services.

American Computer Association

Store manager: Kenneth Logan
1233 E. Warner Ave.
Santa Ana, CA 92705
(714)549-3633 Fax:(714)546-7818
Special Value-Added Services: An association of computer users providing computer help for hardware and software questions, seminars, repair, shopping and buying discounts. The auto club of computers.

Catalina Technology

Store manager: Dylan E. Munson
3422-L W. MacArthur Blvd.
Santa Ana, CA 92704
(714)434-9144 Fax:(714)434-1881
Areas of Specialty (and In-House Specialist): Answers (Dylan Munson); Options (Edward K. Bennett)
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Fujitsu, Seagate, Intel
Special Value-Added Services: Upgrades with credit for old equipment. Knowledgeable staff trained to listen. New and refurbished drives/repair problem solving.

Computer Max

Store manager: Reynaldo or Lupe Banda
2210 N. Main Ste., B
Santa Ana, CA 92706
(714)953-0233 Fax:(714)953-0255
Areas of Specialty (and In-House Specialist): Modems (Reynaldo Banda); Fax Modems; Input Devices
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Alcex, Zoltrix, Aero
Special Value-Added Services: 30 day money back guarantee on modems and fax cards.

Computix

Store manager: Andy Huynh
3480 W. Warner Ste. E
Santa Ana, CA 92704
(714)540-5131 Fax:(714)540-5139
Areas of Specialty (and In-House Specialist): Computer Upgrade (Derek Huynh); Novell Networking (Derek Huynh); IBM Compatibles (Derek Huynh)
Operating Systems Supported: MS-DOS, Windows, UNIX
Top-Selling Brands in 1992: Computix Systems, Memory Expansion
Special Value-Added Services: Service, technical support, 15 day return policy. 1 year warranty parts and labor.

Dennow Corporation

Store manager: Steven Chen
1921 Carnegie Ave., Ste. 3-C & 3-D
Santa Ana, CA 92705
(800)748-6388 Fax:(714)474-5492
Areas of Specialty (and In-House Specialist): International Products Trade (Steven Chen); Software/Marketing (Gil Diaz); Networking/System Configurations (Sam Tor)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Dennow 386/486 Notebook Computers, CTX Monitors, Maxtor Hard Drives
Special Value-Added Services: System configurations, network configurations, on-site training, engineering service, technical support, warranties.

Flexcom Inc.

Store manager: Vincent Tran
2634 S. Harbor Blvd.
Santa Ana, CA 92704
(714)641-9674 Fax:(714)641-9642
Areas of Specialty (and In-House Specialist): Business & Home Computers (Vincent Tran)
Operating Systems Supported: MS-DOS, Windows, UNIX
Top-Selling Brands in 1992: Flexcom Computer Systems, Idek, Speed Star
Special Value-Added Services: Service, technical support, warranties.

M-Tek

Store manager: Kent Chen
2760 S. Harbor Blvd., Ste. H
Santa Ana, CA 92704
(714)850-1044 Fax:(714)850-0321
Areas of Specialty (and In-House Specialist): M-Tek Business Computers (Kent Chen); M-Tek Personal Computer (Kent Chen, Tony); Networking (Kent Chen)
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: M-Tek Systems, M-Tek Cases, M-Tek Mouse
Special Value-Added Services: Service, training, technical support, warranties, return policy.

Masters Software Company

Store manager: Timothy M. Hood
200 W. Santa Ana Blvd., #600
Santa Ana, CA 92701
(714)479-0999 Fax:(714)558-8419
Areas of Specialty (and In-House Specialist): Legal (Timothy Hood); Medical (Timothy Hood); Education/Student (Jennifer Anderton)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, SCO
Top-Selling Brands in 1992: IBM, Apple, Wyse
Special Value-Added Services: On-site service, full manufacturer warranty support, on-site training, extended warranty support, consultation, systems integration, software installation, hardware installation.

Micro City Computer Superstore

Store manager: John Rex
1510 S. Lyon
Santa Ana, CA 92705
(714)543-4922 Fax:(714)543-6349
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Panasonic (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, SCO
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, training, support, warranties.

New Horizons Computer Learning Center

Store manager: Thomas Steele
1231 E. Dyer Ste., 140
Santa Ana, CA 92705
(714)555-1220 Fax:(714)556-4612
Areas of Specialty: WordPerfect; Lotus 1-2-3; Microsoft Excel
Operating Systems Supported: MS-DOS, OS/2, Windows,

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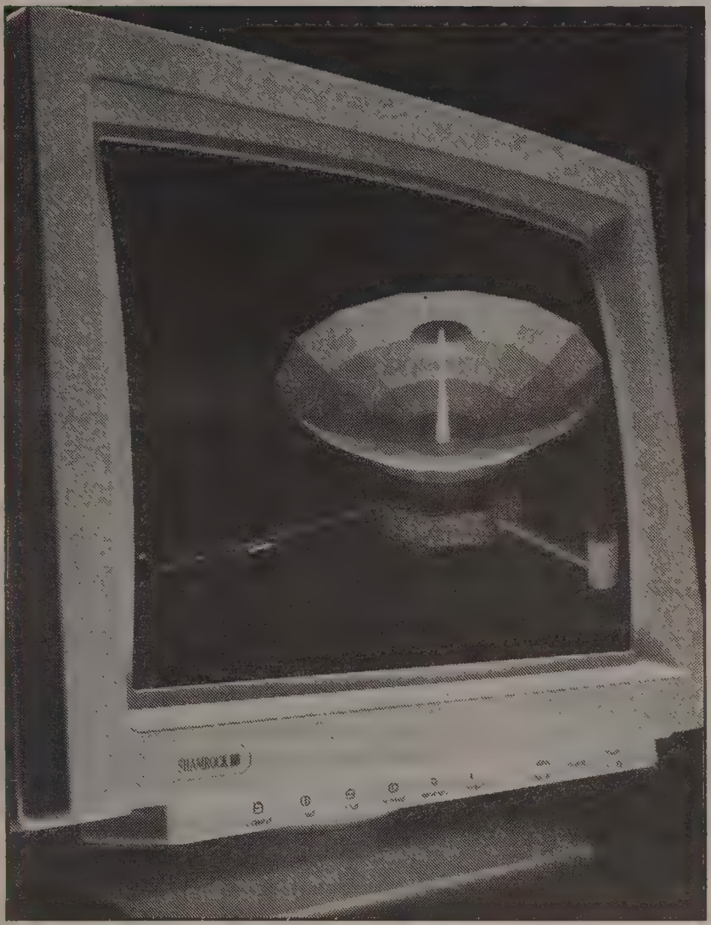
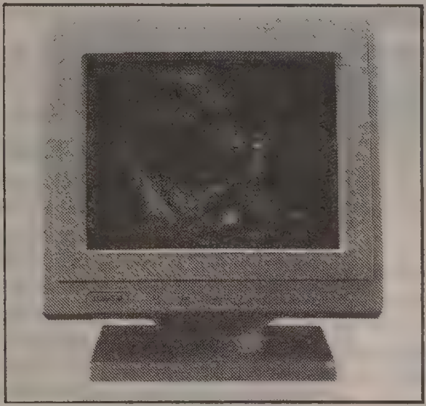
of Today and Tomorrow**



SRC-1451 14" HYPER VGA I

- Horizontal Frequency: 30-38KHz
- Resolution: Maximum 1024x768 (Interlaced) .28mm CRT
- Full Screen • Universal Power Supply 110/220
- Compatible With Apple Mac II
- Low Radiaton Options

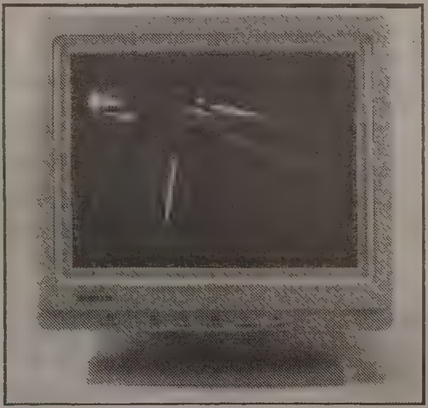


SRC-1452 14" HYPER VGA II

- Horizontal Frequency: 30-38KHz, 47-50KHz
- Resolution: Maximum 1024x768 (Non-Interlaced) .28mm CRT
- Full Screen • Universal Power Supply 110/220
- Compatible With Apple Mac II

SRC-1403/SRC-1501 14", 15" HYPER VGA III

- Horizontal Frequency: 28-64KHz
- Resolution: Maximum 1280x1024 (Non-Interlaced) .28mm CRT
- Compatible With Apple Mac II
- Refresh Rate: 70Hz at 1024x768
- VESA Standard
- Automatic Pin Cushion Compensation



SRC-1901 20" HYPERSCAN COLOR UNITS

- Horizontal Frequency: 27-72KHz
- Resolution: Maximum 1280x1024 (Non-Interlaced) .31mm CRT
- DBF (Dynamic Beam Forming)
- BNC And D-Sub (9-Pin) Input
- Compatible With SPARC Station 1152x900 And Apple Mac II 1152x870 (Dual Page)

**FOR PURCHASING AND/OR OTHER INFORMATION,
PLEASE CONTACT YOUR LOCAL COMPUTER DEALER.**

Macintosh, SCO, SUN, Xenix, Novell, LAN manager
Top-Selling Brands in 1992: Novell, MS-DOS, Macintosh
Special Value-Added Services: Training and support.

New Technologies
Store manager: Michael Dulay
630 S. Grand Ave., Ste. 101
Santa Ana, CA 92705
(714)542-1800 Fax:(714)542-1866
Areas of Specialty: Novell Gold Dealer; Multimedia; Windows
Operating Systems Supported: MS-DOS, OS/2, Macintosh, SCO
Top-Selling Brands in 1992: Hewlett Packard, Epson, Sony
Special Value-Added Services: On-site service, repair services, LAN, phone support, 14 day money back guarantee.

Santa Clarita

Rogers Specialist
Store manager: Jeremy Houck
27712 Pinehills Ave.
Santa Clarita, CA 91351
(805)251-3085 Fax:(805)251-2520/(800)366-0579
Areas of Specialty (and In-House Specialist): Computer Cabling (All staff); Connecters; Switches
Operating Systems Supported: MS-DOS, OS/2, Macintosh
Special Value-Added Services: We offer mail order Monday-Friday with shipping the same day as you place your order. We also build custom cabling to your specification at very reasonable rates.

Santa Fe Springs

Crystal Computer Systems
10400-8 Pioneer Blvd.
Santa Fe Springs, CA 90670
(310)946-1447 Fax:(310)903-0828
Areas of Specialty: Manufacturing; Motherboards
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Crystal 486 SLC , Crystal 486 DLC
Special Value-Added Services: 2 year warranty.

DC Computer
Store manager: Tommy
15605 Carmenita Ste. 106
Santa Fe Springs, CA 90670
(310)926-9331 Fax:(310)802-2662
Areas of Specialty (and In-House Specialist): Systems (Tommy); Network Installation (Tommy)
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: DC 486-33MHz, 386-40, 386DX-25 Systems
Special Value-Added Services: Service, technical support, 1 year parts and labor warranty.

Dynamic Office Systems
Store manager: Yi Zhu
10440 Pioneer Blvd., Ste. 4
Santa Fe Springs, CA 90670
(310)941-6630 Fax:(310)941-5287
Operating Systems Supported: MS-DOS, Windows, Novell
Top-Selling Brands in 1992: Intel, HP, Microsoft
Special Value-Added Services: Lifetime technical support, complete in-store service center, complete networking services.

M.D.S. Distributors
Store manager: Don Hira
13380 E. Firestone Blvd., Unit #G&H
Santa Fe Springs, CA 90670
(310)926-0554 Fax:(310)926-0774
Areas of Specialty (and In-House Specialist): Software (Sid Bhatt); Hardware (Don Hira); Upgrade Tech Support (Dev Bassan)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, SCO
Top-Selling Brands in 1992: WordPerfect, MicroSoft, Lotus
Special Value-Added Services: On-site maintenance available, 30 day money back, 1 year parts, 2 years labor, no surcharge on Visa & Mastercard, call for return merchandise, authorization number.

New Technologies
Store manager: Michael Chu
11845 Telegraph Rd.
Santa Fe Springs, CA 90670
(310)948-2060 Fax:(310)942-0440
Areas of Specialty: Novell Gold Dealer; Multimedia; Windows
Operating Systems Supported: MS-DOS, OS/2, Macintosh, SCO
Top-Selling Brands in 1992: Hewlett Packard, Epson, Sony
Special Value-Added Services: On-site service, repair services, LAN, phone support, 14 day money back guarantee.

Zenon
Store manager: Jesse Luk
13360 E. Firestone Blvd., #B
Santa Fe Springs, CA 90670
(310)926-7898 Fax:(310)926-6718
Areas of Specialty (and In-House Specialist): File Server (Tony/Henry); CAD/CAM
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, UNIX
Top-Selling Brands in 1992: 486 Systems, ISA/ESA, 486-50MHz
Special Value-Added Services: On-site service, network installation. 1 year on-site service nationwide.

Santa Monica

Computer Business Center
Store manager: Joseph Jacobsen
2811 Ocean Park
Santa Monica, CA 90405
(310)452-2027 Fax:(310)452-5548
Operating Systems Supported: MS-DOS, Macintosh
Special Value-Added Services: Service, training, support, warranties, return policy.

Gary Davis & Associates
Store manager: Gary Davis
3237 Donald Douglas Loop South
Santa Monica, CA 90405
(310)397-6625 Fax:(310)390-9917
Areas of Specialty (and In-House Specialist): Ergotron Ergonomic Workstations (Gary or Vince); Macintosh desktop publishing (Gary); Cybex Commander Autoboot (Gary)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh
Top-Selling Brands in 1992: Ergotron, Cybex, Hag
Special Value-Added Services: Design of custom workstations (Ergonomic Furniture) for CAD, Graphic Design and LANS. Configuration and training in DTP.

MacExperts
Store manager: Brian Eshragi
632 Santa Monica Blvd.
Santa Monica, CA 90401
(310)394-1223 Fax:(310)394-7323
Areas of Specialty (and In-House Specialist): Macintosh (Brian Eshraghi)
Operating Systems Supported: Macintosh
Top-Selling Brands in 1992: Macintosh, Quantum, Mobius
Special Value-Added Services: Service, training, support, warranties, and return policy.

Micro League
Store manager: Nader Yousefzadeh
1844 Lincoln Blvd.
Santa Monica, CA 90404
(310)450-2708 Fax:(310)452-1294
Areas of Specialty (and In-House Specialist): Systems (Sales Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: Compact, Macintosh, AST

Sherman Oaks

Americal Group Computer Prod.
Store manager: Mike Ghoreishi
14200 Ventura Blvd.
Sherman Oaks, CA 91423
(818)906-1132 Fax:
Areas of Specialty (and In-House Specialist): Computer Diskette (Tony Nguyen); Computer Data Cartridges (Tony Nguyen); Computer Accessories (Tony Nguyen)
Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, Macintosh, UNIX
Top-Selling Brands in 1992: Sony, HP, 3M
Special Value-Added Services: Lifetime warranty on disk.

Complete Computer Cure
Store manager: Ben Toubian
14950 Ventura Blvd.
Sherman Oaks, CA 91403
(818)986-8770 Fax:(818)986-5082
Areas of Specialty (and In-House Specialist): IBM (Ben Toubian); Apple (Steve Wyatt); Networking (Ben Toubian)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1992: AST, Compaq, Macintosh
Special Value-Added Services: We do services, warranties, rental, support, for over 250 different manufacturers.

Data Systems West
Store manager: Frank Mogavero
4848 Van Nuys Blvd.
Sherman Oaks, CA 91403
(818)907-9110 Fax:(818)986-6782
Areas of Specialty (and In-House Specialist): Point of Sale (several); Wholesale Distribution (several); Manufacturing (several)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NTAmiga, SCO, AT&T
Top-Selling Brands in 1992: NCR, DEC, Compaq
Special Value-Added Services: We are a hi-tech interconnectivity systems integrator with authorizations and Novell Platinum, Banyan, SCO Advanced Proquest Center, etc.

Goodman Music
Store manager: Dan Sales
4631 Van Nuys Blvd.
Sherman Oaks, CA 91403
(818)784-6900 Fax:(818)784-7066
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Atari
Top-Selling Brands in 1992: Apple, Atari, Yamaha
Special Value-Added Services: Apple service, Atari service.

Pacifico Computer Center
Store manager: Sam Gaatoari
13907 Ventura Blvd., #103
Sherman Oaks, CA 91423
(818)788-4193 Fax:(818)788-9457
Areas of Specialty (and In-House Specialist): Systems (Sam); Printers (Sam)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Zenith
Top-Selling Brands in 1992: HP, DTK, Epson
Special Value-Added Services: Service, training, support, warranties.

The Electronic Music Box
Store manager: Peter Brunner

continued on page 154

EISA ◆ VESA VL BUS ◆ EISA ◆ VESA VL BUS

HIGH SPEED GRAPHIC SOLUTIONS

EISA ◆ VESA VL BUS ◆ EISA ◆ VESA VL BUS

INTRODUCING THE FASTEST PC IN THE WORLD

CAD/CAM
32 BIT
VESA
VL BUS

Features state-of-the-art 32 Bit Vesa VL Local Bus for the ultra Hi-Speed S3 Graphic Accelerator plus Cache IDE speed up to 50 times faster for CAD/CAM graphic applications.
System Includes:

- ◆ 80486, 256K Cache, 8MB RAM
- ◆ TEAC 1.2 & 1.44MB floppy, 364MB IDE Hard Drives
- ◆ 32 Bit Vesa VL Bus S3 Accelerator, 32 Bit Vesa VL Bus IDE
- ◆ 17″ IDEK 5217 Low Radiation Flat Screen VESA Non-Interlaced
- ◆ Full Tower Case w/LED Digital Display and Power Supply
- ◆ Fujitsu Keyboard, DOS 5.0 & Windows 3.1 w/Mouse

33MHz CAD486	**$3695**
66MHz CAD486	**$3995**

HOME/OFFICE
Voice
Secretary
VOICE MAIL

Features the full function of a Personal Computer, Fax, Modem, Phone Mate, Mail Boxes/Answering Machine, True Voice Editor and Schedule Caller for all your needs in Home/Office computing.
System Includes:

- ◆ 33MHz Clock Speed, 64K Cache, 4MB DRAM
- ◆ TEAC 1.2 & 1.44MB Floppy, 170MB IDE Hard Drives
- ◆ IDE I/O, Tseng Lab ET-4000 32K Hi-Color SVGA
- ◆ 14″ APLUS Non-Interlaced Color Monitor
- ◆ 999 Mail Box, 9600 Fax, 2400 Modem, all-in-one Voice Mail
- ◆ 101 Keyboard, DOS 5.0 & Windows 3.1 w/Mouse

386 VOICE PC	**$1638**
486 VOICE PC	**$1938**

PERIPHERALS UPGRADE
with
System Purchased

◆ **IDEK 17″ 5217 Monitor, 30-57 KHz**	**$875**
◆ **15″ Non-Interlaced Flat Screen Monitor**	**495**
◆ **Aplus 14″ .28 dpi Non-Interlaced 28-62 KHz**	**295**
◆ **Colorado 120 MB Tape Back-up Drive**	**195**
◆ **Archive 250 MB Tape Back-up Drive**	**225**
◆ **Zyxel 14400 bps Internal Fax/Modem**	**325**
◆ **Dynalink 14400 bps Internal Fax/Modem**	**270**
◆ **Dynalink 9600 bps Internal Fax/Modem**	**220**
◆ **TeleLink Voicemail/Fax/Modem**	**195**
◆ **9600/2400 bps Internal Fax/Modem**	**75**
◆ **2400 bps Internal Modem**	**40**
◆ **Sony 31A CD-ROM w/Card**	**285**
◆ **Sound Blaster Pro 16 Bit w/2 CD**	**185**
◆ **Turtle Beach 16 Bit Multisound**	**695**
◆ **Sound Commander EX**	**95**

486-50
ACCELERATOR

- ◆ 80486DX-50 CPU
- ◆ 256K Cache
- ◆ 8MB Memory
- ◆ 210MB IDE Drive
- ◆ Teac 1.2 & 1.44 FD
- ◆ Orchid Fahrenheit Graphic Accelerator w/1MB
- ◆ Super IDE I/O,2S1P1G
- ◆ 14" Non-Interlaced SVGA Monitor .28dp, 72Hz at 1024x768
- ◆ Medium Tower Case
- ◆ Fujitsu 4700 Keyboard
- ◆ DOS 5.0 & Windows 3.1 w/Mouse

$2290

w/17" IDEK 5217 **$2890**

486-33
DELUXE

- ◆ 80486DX-33 CPU
- ◆ 64K CACHE
- ◆ 4MB MEMORY
- ◆ Teac 1.2 & 1.44MB FD
- ◆ 120MB IDE Drive
- ◆ Trident 8900C w/1MB
- ◆ Super IDE I/O, 2S1P1G
- ◆ 14" SVGA Color Monitor .28dp
- ◆ Mini Tower Case
- ◆ Enhanced AT 101 KB
- ◆ Hi-Resolution Mouse

$1495

w/Local Bus ET4 **$1595**

386
MORE STATION

- ◆ 80386SX-25 CPU
- ◆ 2MB MEMORY
- ◆ TEAC 1.2 & 1.44 FD
- ◆ 42MB IDE Drive
- ◆ 16 Bit SVGA w/256K
- ◆ Super IDE I/O, 2S1P1G
- ◆ 14" SVGA Monitor
- ◆ Mini Tower Case
- ◆ Enhanced AT 101 KB
- ◆ Hi-Resolution Mouse

$795

w/DX33, 64K, 4MB **$895**

NEW CYRIX 486 SYSTEM

- ◆ Cyrix 486-33 DLC
- ◆ Free Math-Coprocessor
- ◆ 64K Cache up to 256K
- ◆ 4MB System Memory
- ◆ Teac 1.2 & 1.44 MB Floppy Drive
- ◆ 120MB IDE Drive
- ◆ Super IDE I/O w/2S1P1G
- ◆ Trident 8900c SVGA w/ 1MB
- ◆ 14" SVGA Color Monitor .28 dp
- ◆ Mini Tower Case w/200W PS
- ◆ Enhanced AT 101 KB
- ◆ Hi-Resolution Mouse

$1195 CASH

5 Years labor, 1 Year Parts Warranty for Any system

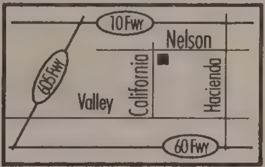
(818) 333-3142 • Fax: (818) 968-3704

15046 E. Nelson Ave., Unit 1, City of Industry, CA 91744

◆ Prices Subject to Change Without Notice.

◆ Government, University & Corporate P.O. Welcome

Store Hours: Mon-Fri: 10:00 AM-6:00 PM ◆ Sat: 11:00 AM-5:00 PM



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WECLY

Essence Group's Protection Plan

- 1 Full Year Parts Warranty
- 2 Year Labor Warranty
- "Free" Lifetime Technical Support

Terms & Conditions:

All parts and systems carry a one year limited warranty except for monitors and printers which are warranted by manufacturers. Any consumable products are not returnable nor refundable. Any opened software is non-refundable. All sales on monitors & printers are final. Repairs need to be sent to the manufacturer. No refund. All returns are subject to our approval and must have prior authorization return items must be in its original condition with invoice. Send shipping prepaid. All refunds or credits are less shipping and bank charges. All refund items must be returned within 14 days of invoice. There will be a 20% restocking fee after the 14 day period and within 30 days of invoice. Thereafter only exchanges and repair for the rest the warranty period. Price, specification and availability subject to change without any notice.

VISA MasterCard

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10 am - 5 pm Sat P.S.T.

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17815 Newhope Street, Suite G,

Orchid Local Bus

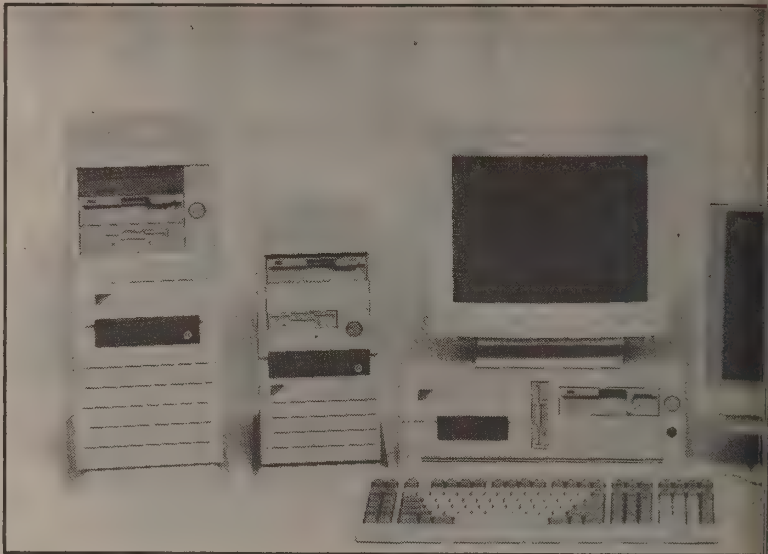
VESA Standard

486DX2-66	$1779.00
486DX-50	$1719.00
486DX-33	$1439.00

✧ Orchid 486DX VESA Local Bus M/B
✧ 256K High Speed Cache
✧ 4MB Memory on board expandable up to 32MB
✧ TEAC 1.2M & 1.44M FDD
✧ Orchid Fahrenheit VLB w/1MB
✧ Orchid VESA IDE Controller
✧ 2 Serial / 1 Parallel / 1 Game
✧ CS-230 Mid-Veritcal Case
✧ 250 Watts UL Power Supply
✧ Focus 2001 Keyboard

Made in USA

VA Options $22



VESA LOCAL BUS

The Superboard 486 VLB delivers unsurpassed power for even the most demanding applications. The 486 VLB (VESA Local Bus) is an ISA motherboard equipped with two (2) VLB slots for a high performance video card and/or fast IDE controller. It provides the answer to the speed bottleneck caused by traditional AT-compatible motherboard designs. The local bus design provides direct 32-bit data transfer between the video card/IDE controller and the CPU at CPU speed. Pair the Superboard 486 VLB with an Orchid Fahrenheit VA/VLB graphics card, and you'll experience the fastest graphics and motherboard combination possible.

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Technical Support:
1-714-546-7902

Fax Order Line:
1-714-546-3803

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Made in USA

FAHRENHEIT VA............$239
VOICE ANNOTATION

with system $199

The Fahrenheit VA is more than just a Windows Accelerator - it features the fastest graphics possible, with a twist! With Orchid's own Voice Notes software, the Fahrenheit enable you to add custom voice annotation to all Windows applications utilizing Object Linking & Embedding (OLE). A single keystroke opens the Voice Notes window, allowing you to easily record, play, pause and automatically embed you recording within the document. The Fahrenheit VA also come with Orchid HyperDriver - the fastest driver available for Windows. This product supports up to 16.8 million colors at 640 x 480, 256 colors at 800 x 600 and 1024 x 768.

Non-VA Version also available

Made in USA

VEGA VESA Local Bus

VESA 486DX2-66VLB	$1699
VESA 486DX-50VLB	$1639
VESA 486DX-33VLB	$1429

* VEGA 486DX VESA Local Bus M/B
* 256K High Speed Cache
* 4MB Memory on board
* TEAC 1.2M & 1.44M FDD
* Orchid Fahrenheit VLB w/1MB
* Orchid VESA IDE Controller
* 2 Serial / 1 Parallel / 1 Game
* CS-230 Mid-Veritcal Case
* 250 Watts UL Power Supply
* Focus 2001 Keyboard

Made in USA

VEGA EISA Bus

EISA 486DX2-66VE	$1899
EISA 486DX-50VE	$1839
EISA 486DX-33VE	$1629

* VEGA 486DX EISA M/B
* 256K High Speed Cache
* 4MB Memory on board expandable up to 64MB
* TEAC 1.2M & 1.44M FDD
* 32 Bit DTC2290 EISA IDE Controller
* 32 Bit Orchid IIs-E 1MB EISA VGA Card
* 2 Serial / 1 Parallel / 1 Game
* CS-230 Mid-Vertical Case
* 250 Watts UL Power Supply
* Focus 2001 Keyboard

Made in USA

VEGA ISA Bus

486DX2-66V	$1429
486DX-50V	$1369
486DX2-50V	$1199
486DX-33V	$1159
486SX-25V	$859

* VEGA 486DX ISA M/B
* 256K High Speed Cache
* 4MB Memory on board expandable up to 64MB
* TEAC 1.2M & 1.44M FDD
* 2 Serial / 1 Parallel / 1 Game
* CS-230 Mid-Vertical Case
* 250 Watts UL Power Supply
* Focus 2001 Keyboard

GROUP

Fountain Valley, CA 92708

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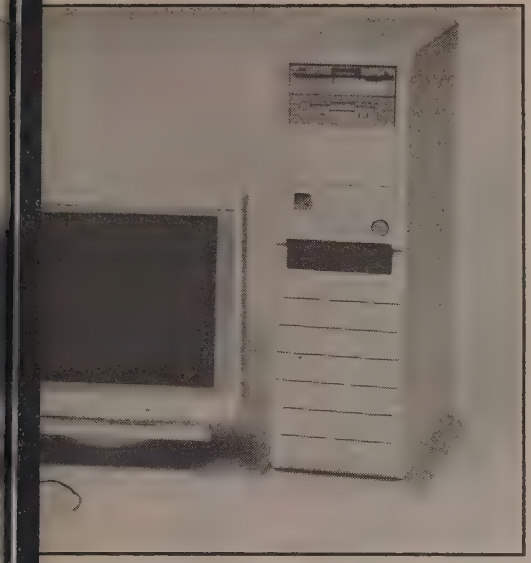

Essence 486 EISA Local Bus

486DX2-66ELB	$1849
486DX-50ELB	$1789
486DX-33ELB	$1579

- * OPTI 486DX-66/DX-50/DX-33 M/B
- * 256K High Speed Cache
- * 4MB Memory on board expandable up to 32MB
- * TEAC 1.2M & 1.44M FDD
- * 32 Bit DTC2290 EISA IDE Controller
- * (Optional IDE Caching controller w/ 2MB +$155)
- * 32 Bit Orchid IIs-E 1MB EISA VGA Card
- * (S3 1MB Local Bus Graphics Accelerator +$155)
- * 2 Serial / 1 Parallel / 1 Game
- * CS-230 Mid-Veritcal Case
- * 250 Watts UL Power Supply
- * Focus 2001 Keyboard

Essence 486 Local Bus

486DX2-66LB	$1639
486DX-50LB	$1609
486DX-33LB	$1369

- * OPTI 486DX M/B
- * 256K High Speed Cache
- * 4MB Memory on board expandable up to 32MB
- * TEAC 1.2M & 1.44M FDD
- * IDE Floppy & Hard Disk Controller
- * S3 1MB Local Bus Graphics Accelerator
- * 2 Serial / 1 Parallel / 1 Game
- * CS-230 Mid-Veritcal Case
- * 250 Watts UL Power Supply
- * Focus 2001 Keyboard

Essence 486 Series

486DX2-66	$1309
486DX-50	$1249
486DX2-50	$1079
486DX-33	$1039
486SX-25	$759

- * 256K High Speed Cache
- * 4MB Memory on board
- * TEAC 1.2M & 1.44M FDD
- * IDE Floppy & Hard Disk Controller
- * 2 Serial / 1 Parallel / 1 Game
- * CS-330 Mini-Veritcal Case
- * 220 Watts UL Power Supply
- * Focus 2001 Keyboard

Essence 386 Series

386DX-40	$619
386DX-33	$609
386SX-33	$469
386SX-25	$459

- * 386DX-40/33 SX-33/25 M/B
- * 64K High Speed Cache
- * 4MB Memory on board (2MB for 386SX)
- * TEAC 1.2M & 1.44M FDD
- * 2 Serial / 1 Parallel / 1 Game
- * CS-330 Mini-Veritcal Case
- * 220 Watts UL Power Supply
- * Focus 2001 Keyboard

Essence 486-33DLC

486-33DLC	$719

- * UMC 486-33Mhz Main Board
- * Cyrix 486-33DLC Microprocessor
- * 64K High Speed Cache
- * 4MB Memory on board
- * Expandable to 8MB/16MB/32MB
- * TEAC 1.2M & 1.44M FDD
- * 2 Serial / 1 Parallel / 1 Game
- * CS-330 Mini-Veritcal Case
- * 220 Watts UL Power Supply
- * Focus 2001 Keyboard

Upgrade Options

For ISA Systems:

12" Monochrome Monitor w/MonoGraphics Card	$102
14" Monochrome Monitor w/MonoGraphics Card	$120
14" Mono VGA (Paper-White) Monitor w/AVGA Card (256K)	$159
14" AcerView 11 VGA Color Monitor w/16-bit VGA Card (256K)	$265
14" AcerView 33D Super VGA Color Monitor (.28dp) w/TVGA-8900C 1MB VGA Card	$350
14" AcerView 34T Non-Interlaced Color Monitor w/TVGA-8900C 1MB VGA Card	$390
15" AcerView 56L Digitral Auto-Tracking Flat-Screen Monitor (.28dp) w/Orchid Fahrenheitt 1280 1 MB Graphics Accelerator	$675
14" ViewSonic 6E Non-Interlaced Color Monitor (.28dp) w/TVGA-8900C 1MB VGA Card	$395
14" ViewSonic 5E Non-Interlaced Color Monitor (.28dp) w/TVGA-8900C 1MB VGA Card	$474
w/Orchid ProDesigner IIs 1MB Hi-Color VGA Card	$545
15" ViewSonic 6FS Digital Auto-Tracking Flat-Screen Monitor (.28dp) w/Orchid Fahrenheit 1280 1MB Graphics Accelerator	$769
17" ViewSonic 7 Digital Auto-Tracking Monitor (.28dp) w/Orchid Fahrenheit 1280 1MB Graphics Accelerator	$1229
w/ATI Graphics Ultra (1MB)	$1330

Hard Disk Subsystem & Other Options (w/Systems):

40MB IDE HDD	$175
80MB IDE HDD	$225
120MB IDE HDD	$290
170MB IDE HDD	$320
200MB IDE HDD	$380
340MB IDE HDD	$640
520MB IDE HDD	$895
MicroSoft DOS 5.0	$37
MicroSoft Windows 3.1 w/Mouse	$55
Internal 2400 Buad Fax/Data Modem	$35
Internal 9600/2400 Baud Fax/Data Modem	$65
Sound Blaster	$95
Sound Blaster Pro	$189
Media-Vision Pro Audio Spectrum 16 Sound Card	$195
Orchid Sound Producer Pro	$179

For EISA & Local Bus Systems:

ViewSonic 6E 14" Non-Interlaced Monitor	$332
ViewSonic 5E 14" Non-Interlaced Monitor	$410
ViewSonic 6FS 15" Non-Interlaced Monitor	$590
ViewSonic 7 17" Multi-Frequency Monitor	$1050
ViewSonic 7 17" Multi-Frequency Monitor	$1605

Memory Upgrade:

4MB 386SX)	$75
8MB (486DX/SX, 386DX)	$150
16MB (486DX/SX,386DX)	$480

Tape Backup:

Archive 250MB Tape Backup	$215

For more parts see listings on next page ➢

Media-Vision Pro 16 MultiMedia System

MultiMedia Kit included:
Media Vision Pro AudioSpectrum 16 Sound Card

- Stereo sound card with 16-bit recording and playback at 44Khz
- SCSI interface
- Compatible with all major PC sound standard including Sound Blaster for PC Games

NEC MultiMedia SCSI CD-ROM Drive

- Double speed 9300kB/s is ideal for multimedia applications
- Super fast access time (280ms) is up to three times faster than other CD-ROM drives

CD package including:

- Carmen Sandiego
- Compton's MultiMedia Encyclopedia
- Lotus 123 MultiMedia
- King's Quest V
- MacroMind Action!
- Nautilus

$899

Sound Blaster Pro MultiMedia Kit

Starter Kit included:
Creative Labs CD-ROM (Panasonic)

- ✧ High Performance
- ✧ Faster access time of 390ms
- ✧ 64KB Read-ahead buffer

Sound Blaster Pro

- ✧ Best selling sound card in the market

Three CD-Titles

- ✧ MicroSoft Bookself
- ✧ MicroSoft Windows 3.1
- ✧ Creative Sounds w/Personus

$495

Orchid Sound Producer Pro...$179

The Sound Producer Pro is Orchid's entry into the world of sound. The Sound Producer Pro delivers an umparalleled features set while maintaining 100% Sound Blaster Pro compatibility. With 20-voice FM synthesizer and digital sounds, it delivers support for 4 sound standards including Sound Blaster Pro, Ad Lib, Disney sound Source and Covox Speech Thing, and the ability to add Voice Note to any Windows docements created with Windows applications with Object Linking and Embedding (OLE) support. The Sound Producer Pro is guaranted to deliver the bvest quality sound to your favorite games or to business presentations with sampling rates up to 44.1 KHz. The package comes complete with joystick port, MIDI in/out support, stereo microphone input, and speaker at no additional charge.

with system **$159**

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For systems see list on front pages

COMPLETE NETWORK SOLUTION, PLUG & PLAY.....

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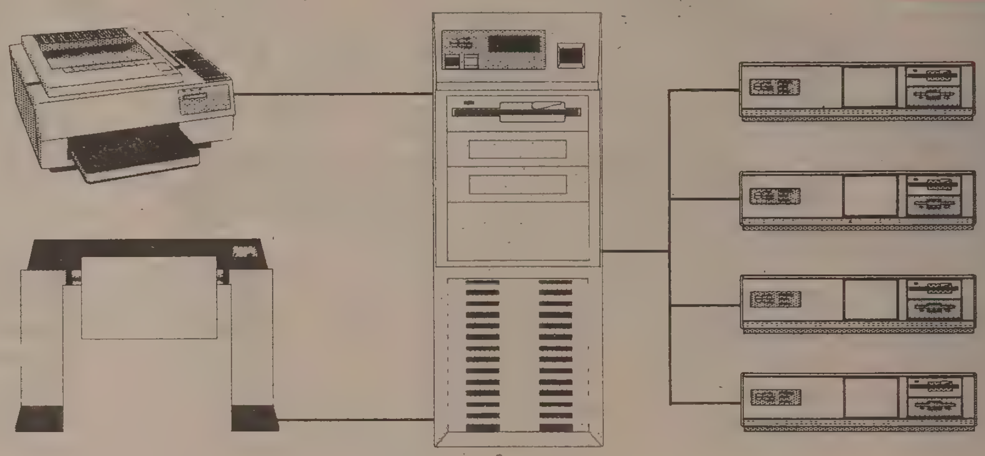
Network Cards: **Eagle, Intel, Accton, 3COM, SMC, Thomas-Conrad**
Controllers: **Always, Adaptec, DTC, Future Domain, UltraStor**
Hard Disk: **Conner, Fujitsu, Maxtor, Micropolis, Seagate, Storage Dimension**
Uninterruptible Power Supply: **American Power Conversion, Tripp-Lite**
Tape Backup: **Colorado Memory System, Maynard/Archive, Mountain, Summit Express, Tecmar, Wangtek**

Novell Certified NetWare Engineer

FILESERVER:

ESSENCE 486DX-33MHz System
- VEGA 486DX-33MHz M/B
- 256K High Speed Cache
- 8MB Memory expandable to 64MB
- TEAC 1.2M & 1.44M FDD
- Always IN-2000 SCSI Controller
- Maxtor 340MB SCSI HDD
- 12" Monochrome Monitor w/MGP
- 2 Serial / 1 Parallel Ports
- Full size Tower Case w/300Watt PS
- Dual fan for efficient cooling
- Focus 2001 Keyboard
- Intel EtherExpress 16-bit Ethernet Card
- Pre-loaded with Novell 3.11 Software

5 User Fileserver $2200
10 User Fileserver $3200
20 User Fileserver $4200



Please call for different configurations for Fileserver or workstations.

WorkStation:

ESSENCE 386DX-40MHz System
- 386DX-40MHz M/B w/64K Cache
- 4MB Memory
- TEAC 1.2M & 1.44M FDD
- 14" SuperVGA Monitor w/1MB VGA Card
- 2 Serial / 1 Parallel Ports
- Mini Tower Case w/200Watts PS
- Focus 2001 Keyboard
- Intel EtherExpress 16-bit Ethernet Card

$1109 per station

ESSENCE 386SX-25MHz System
- 386SX-25MHz M/B
- 2MB Memory
- TEAC 1.2M & 1.44MB FDD
- 14" VGA Monitor w/256K VGA Card
- 2 Serial / 1 Parallel Ports
- Mini Tower Case w/200Watts PS
- Focus 2001 Keybaord
- Intel EtherExpress 16-bit Ethernet Card

$869 per station

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This Month Specials:

Media-Vision Pro 16 MultiMedia System

MultiMedia Kit included:

Media Vision Pro AudioSpectrum 16 Sound Card
- Stereo sound card with 16-bit recording and playback at 44Khz
- SCSI interface
- Compatible with all major PC sound standard including Sound Blaster for PC Games

NEC MultiMedia SCSI CD-ROM Drive
- Double speed 9300kB/s is ideal for multimedia applications
- Super fast access time (280ms) is up to three times faster than other CD-ROM drives

CD package including:
- Carmen Sandiego
- Compton's MultiMedia Encyclopedia
- Lotus 123 MultiMedia
- King's Quest V
- MacroMind Action!
- Nautilus

$899

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SYSTEM BOARDS (0K)

VESA Local Bus System Boards (w/CPU)	
Orchid 486DX2-66MHz VESA Local Bus M/B w/256K Cache	$995.00
Orchid 486DX-50MHz VESA Local Bus M/B w/256K Cache	$940.00
Orchid 486DX-33MHz VESA Local Bus M/B w/256K Cache	$745.00
VEGA Baby 486DX2-66MHz VESA Local Bus M/B w/256K Cache	$910.00
VEGA Baby 486DX-50MHz VESA Local Bus M/B w/256K Cache	$855.00
VEGA Baby 486DX-33MHz VESA Local Bus M/B w/256K Cache	$670.00
UMC Baby 486DX2-66MHz VESA Local Bus M/B w/256K Cache	$895.00
UMC Baby 486DX2-50MHz VESA Local Bus M/B w/256K Cache	$690.00
UMC Baby 486DX-33MHz VESA Local Bus M/B w/256K Cache	$655.00
Orchid Fahrenheit 1280-VLB VESA Local Bus 1MB Graphics Accelerator	$215.00
Orchid VESA Local Bus Intelligent IDE Controller (2FDD/2HDD)	$65.00
EISA Bus & Local Bus System Boards (w/CPU)	
VEGA Baby 486DX2-66MHz EISA M/B w/256K Cache (USA made)	$1100.00
VEGA Baby 486DX-50MHz EISA M/B w/256K Cache (USA made)	$1045.00
VEGA Baby 486DX-33MHz EISA M/B w/256K Cache (USA made)	$855.00
OPTI Baby 486DX2-66MHz EISA Local Bus M/B w/256K Cache	$1050.00
OPTI Baby 486DX-50MHz EISA Local Bus M/B w/256K Cache	$995.00
OPTI Baby 486DX-33MHz EISA Local Bus M/B w/256K Cache	$805.00
OPTI Baby 486DX-50MHz Local Bus M/B w/256K Cache	$845.00
OPTI Baby 486DX-33MHz Local Bus M/B w/256K Cache	$655.00
- ET-4000 1MB Local Bus VGA Card (33 & 50 MHz)	$125.00
- S3 1MB Local Bus Graphics Accelerator (33MHz)	$225.00
- S3 1MB Local Bus Graphics Accelerator (50MHz)	$255.00
ISA Bus System Boards (w/CPU)	
VEGA Baby 486DX2-66MHz M/B w/256K Cache (USA made)	$910.00
VEGA Baby 486DX-50MHz M/B w/256K Cache (USA made)	$855.00
VEGA Baby 486DX2-50MHz M/B w/256K Cache (USA made)	$705.00
VEGA Baby 486DX-33MHz M/B w/256K Cache (USA made)	$670.00
VEGA Baby 486SX-25MHz M/B w/256K Cache (USA made)	$370.00
VEGA Baby 3-486DX-40MHz M/B w/256K Cache (USA made)	$320.00
UMC Baby 486DX-50MHz M/B w/256K Cache (Write-back cache)	$810.00
UMC Baby 486DX2-50MHz M/B w/256K Cache (Write-back cache)	$660.00
UMC Baby 486DX-33MHz M/B w/256K Cache (Write-back cache)	$625.00
UMC Baby 486SX-25MHz M/B w/256K Cache (Write-back cache)	$345.00
OPTI Mini 486DX2-66MHz M/B w/256K Cache (Write-back cahe)	$840.00
OPTI Mini 486DX-50MHz M/B w/256K Cache (Write-back cahe)	$785.00
OPTI Mini 486DX2-50MHz M/B w/256K Cache (Write-back cache)	$635.00
OPTI Mini 486DX-33MHz M/B w/256K Cache (Write-back cache)	$600.00
OPTI Mini 486SX-25MHz M/B w/256K Cache (Write-back cache)	$320.00
Symphony Mini 486DX-50MHz M/B w/256K Cache	$795.00
Symphony Mini 486DX-33MHz M/B w/256K Cache	$610.00
UMC Mini 486-33DLC M/B w/64K Cache (Cyrix 486-33DLC CPU)	$320.00
UMC Mini 386DX-40MHz M/B w/64K Cache	$198.00
UMC Mini 386DX-33MHz M/B w/64K Cache (w/AMD CPU)	$185.00
OPTI Mini 386DX-40MHz M/B w/64K Cache	$203.00
OPTI Mini 386DX-33MHz M/B w/64K Cache (w/AMD CPU)	$190.00
**** 256K Cache upgrade for all 486 and 386 M/B*	*$45.00*
OPTI Mini 386SX-40MHz M/B	$155.00
OPTI Mini 386SX-33MHz M/B	$140.00
C & T Mini 386SX-25MHz M/B	$128.00

ADD-ON BOARDS

Mono/Graphics/Printer Card	$15.00
AVGA-1 VGA Card w/256K	$28.00
TVGA-9000 VGA Card w/256K (Trident 9000 Chipset,upto 512K)	$37.00
TVGA-8900C 1MB SuperVGA Card (Trident 8900C Chipset)	$64.00
PVGA-1C VGA Card w/256K (WD90C11 Chipset,upto 512K)	$49.00
PVGA-1D SuperVGA Card w/1MB (WD90C30 Chipset)	$78.00
PVGA-1DW Graphics Accelerator w/1MB & Hi-Color Chip	$120.00
ATi VGA Wonder XL VGA Card (32,768colors,OEM Version)	$120.00
ATi Ultra Plus (1280x1024, 2MB Dram)	$330.00
ATi Ultra Pro (1280x1024 Non-Interlaced, 2MB VRam)	$430.00
Diamond SpeedStar-24X 1MB VGA Card (16Million colors)	$180.00
Diamond Stealth 1MB (VRam) Windows Accelerator	$230.00
Orchid Pro-Designer IIs 1MB VGA Card w/Sierra RAMDAC - 70Hz refresh rate @1024x768	$145.00
Orchid Pro-Designer IIs-E 1MB EISAVGA Card w/Sierra RAMDAC - 70Hz refresh rate @1024x768	$165.00
Orchid Fahrenheit 1280-24 1MB (VRam) Graphics Accelerator (24-bit) - 16.7Mil colors, 1280x1024	$185.00
Orchid Fahrenheit VA Windows Accelerator with Voice Annotation w/1MB - 16.7Million colors, 1280x1024, Audio capabilites	$235.00
AT I/O (2 Serial 1 Parallel 1Game) Card	$14.00
Parallel (Printer) Card	$10.00
Game Card (Dual ports)	$10.00
AT IDE Adapter (Dual floppy & hard disk) w/Cable	$15.00
AT IDE Adapter w/2.88M FDD Controller & Cable	$57.00
AT Super IDE IO Adapter (Dual floppy & hard disk, 2S, 1P, 1G)	$22.00
GSI 2.88M Four (4) Floppy Controller & Cable	$68.00
GSI 2.88M Four (4) Floppy & Intelligent IDE Adapter w/Cable	$82.00
Promise IDE Caching Controller (512K,upto 8.5MB,2FD/2HD)	$140.00
DTC-2290 EISA IDE Floppy/Hard Disk Contorller	$138.00
DTC-3290 EISA SCSI Caching FD/HD Controller (0K, upto 4MB)	$380.00
UltraStor 15C IDE Caching FD/HD Controller w/0MB (upto 8MB)	$195.00
UltraStor 14F SCSI FD/HD Controller	$230.00
UltraStor 24F EISA SCSI FD/HD Controller	$375.00
Future Domain 1670 16-bit SCSI Floppy/Hard Disk Adapter Kit	$158.00
Always AL-1000 High Performance Parral Port to SCSI Host Adapter	$169.00
Always IN-2000 16-bit SCSI Host Adapter (Novell Certified)	$189.00
ADAPTEC AHA-1522BK SCSI Adapter Kit	$160.00
ADAPTEC AHA-1542BK SCSI Bus Master Host Adapter Kit	$265.00
ADAPTEC AHA-1542BK-Plus SCSI Bus Master Host Adapter Kit	$335.00
ADAPTEC AHA-1742AK EISA SCSI Bus Master Adapter Kit	$455.00

MONITORS

AcerView 11 14" VGA Monitor (640x480,.39dp)	$238.00
AcerView 33D 14" SuperVGA Color Monitor (1024x768,.28dp)	$288.00
AcerView 34T 14" Non-Interlaced Monitor (1024x768,.28dp)	$330.00
AcerView 35 14" SuperVGA Monitor (1024x768,.26dp)	$460.00
AcerView 56L 15" Multi-Frequency Color Monitor (Flat-Screen, Low radiation, 1280x1024,.28dp, 72Hz refresh rate @1024x768)	$495.00
CTX5439A 14" SuperVGA Color Monitor (1024x768,.39dp)	$245 00
CTX5468A 14" SuperVGA (TriScan) Color Monitor (1024x768,.28dp)	$285.00
CTX5468NI 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$318.00
MAG MX-15H 15" Color Monitor (1280x1024,.28dp)	$605.00
MAG MX-17H 17" Color Monitor (1280x1024,.28dp)	$1135.00
NEC MultiSync 3FGx 15" Color Monitor (1024x768,.28dp)	$670.00
NEC MultiSync 4FG 15" Color Monitor (1024x768,.28dp)	$775.00
NEC MultiSync 5FG 17" Color Monitor (1280x1024,.28dp)	$1425.00
NEC MultiSync 6FG 21" Color Monitor (1280x1024,.28dp)	$2365.00
Sony CPD-1304S 14" MultiScan Monitor (Non-Interlaced,.25dp)	$598.00
Sony CPD-1604S 17" MultiScan Monitor (Non-Interlaced,.25dp)	$1035.00
Mini-Micro MM1256A 12" Amber Monitor	$86.00
Mini-Micro MM1457A 14" Amber Monitor	$104.00
Mini-Micro MM1457W 14" Paper-white Monitor	$106.00
Mini-Micro MM1467L 14" Paper-white MonoVGA Monitor	$126.00
Mini-Micro MM1468 14" VGA Color Monitor (640x480,.41dp)	$240.00
Mini-Micro MM1477 15" VGA Color Monitor (1024x768)	$445.00
ViewSonic 4E 14" SuperVGA Color Monitor (1024x768,.28dp)	$305.00
ViewSonic 6 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$340.00
ViewSonic 6E 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$332.00
Viewsonic 5E 14" Non-Interlaced Color Monitor (1024x768,.28dp 72Hz refresh rate @1024x768)	$410.00
ViewSonic 6FS 15" Multi-Frequency Color Monitor (Flat-Screen, Low radiation, 1280x1024,.28dp, 72Hz refresh rate @1024x768)	$590.00
ViewSonic 7 17" Multi-Frequency Color Monitor (Digital Auto-Tracking Flat-Screen, Low radiation, 1280x1024,.28dp)	$1050.00
ViewSonic 8 20" Multi-Frequency Color Monitor (Digital Auto-Tracking Low radiation, 1280x1024,.31dp)	$1605.00

FLOPPY & HARD DRIVES

TEAC 1.2MB FDD (5.25")	$58.00
TEAC 1.44MB FDD (3.5") w/Mounting Kit	$55.00
TEAC 2-in-1 1.2/1.44MB FDD	$140.00
TEAC 2.88MB FDD (3.5") w/Mounting Kit	$90.00
Panasonic 1.2MB FDD (5.25")	$58.00
Panasonic 1.44MB FDD (3.5") w/Mounting Kit	$55.00
Conner CP-3000 40MB IDE HDD (29ms)	$180 00
Conner CP-30084 80MB IDE HDD (17ms)	$228.00
Conner CP-30104 120MB IDE HDD (17ms)	$295.00
Conner CP-30174 170MB IDE HDD (17ms)	$320.00
Conner CP-30204 210MB IDE HDD (12ms,256K cache buffer)	$430.00
Conner CP-3544 520MB IDE HDD (12ms,256K cache buffer)	$895.00
Conner CP-3540 520MB SCSI HDD (12ms,256K cache buffer)	$895.00
Fujitsu M2624T 520MB IDE HDD (12ms, 5yr warranty)	$935.00
Fujitsu M2624FA 520MB SCSI HDD (12ms, 5 yr.warranty)	$1025.00
Fujitsu M2266SA 1.2GB SCSI HDD (12ms, 5yr warranty)	$1595.00
Fujitsu M2652S 2.0GB SCSI HDD (12ms, 5yr warranty)	$2530.00
Maxtor MX-7120A 120MB IDE HDD (15ms)	$298 00
Maxtor MX-7120S 120MB SCSI HDD (15ms)	$325.00
Maxtor MX-7213A 213MB IDE HDD (15ms)	$390.00
Maxtor MX-7213S 213MB SCSI HDD (15ms)	$495.00
Maxtor LXT-340A 340MB IDE HDD (13ms)	$640.00
Maxtor LXT-340S 340MB SCSI HDD (13ms)	$715.00
Maxtor LXT-535A 520MB IDE HDD (13ms)	$895.00
Maxtor LXT-535S 520MB SCSI HDD (13ms)	$945.00
Maxtor XT-8760S 675MB SCSI HDD (16.5ms)	$1155.00
Maxtor PO-12 1.2GB SCSI HDD (13ms)	$1535.00
Maxtor P1-17S 1.7GB SCSI HDD (13ms)	$1735.00
Micropolis 1598 1.2GB SCSI HDD (14.5ms, 5 yr warranty)	$1575.00
Micropolis 1548 1.75GB SCSI HDD (14ms, 5 yr warranty)	$2250.00
Seagate ST-351AX 42MB IDE HDD (28ms)	$175.00
Seagate ST-3144 130MB IDE HDD (15ms)	$290.00
Western Digital AC280 80MB IDE HDD (17ms)	$225.00
Western Digital AC2120 120MB IDE HDD (15ms)	$305.00
Western Digital AC2170 170MB IDE HDD (14ms)	$335.00
Western Digital AC2200 209MB IDE HDD (13ms)	$380.00
Western Digital AC2340 340MB IDE HDD (13ms)	$660.00
SyQuest SQ555 44MB SCSI Removable Disk Drive	$290.00
SyQuest SQ5110 88MB SCSI Removable Disk Drive	$335.00
SyQuest SQ400 44MB Cartridge	$75.00
SyQuest SQ800 88MB Cartridge	$108.00
SyQuest SQ01 SCSI Adapter w/Software	$45.00
SyQuest External Kit	$115.00
Colorado Memory System JT-10 120MB Parallel Port Tape Backup	$410.00
Colorado Memory System JT-20 250MB Parallel Port Tape Backup	$450.00
Colorado Memory System DJ-10 120MB Tape Backup	$205.00
Colorado Memory System DJ-20 250MB Tape Backup	$258.00
Colorado Memory System AB-11 External Adapter Kit	$40.00
Colorado Memory System KE-09 External Drive Kit	$80.00
Colorado Memory System FC-10 500Kb/s-1Mb/s Adapter Kit	$90.00
Colorado Memory System TC-15 Data Compression Adapter Kit	$189.00
Summit SE-120 120MB Tape Backup w/PC Tool Backup Software	$205.00
Summit SE-250 250MB Tape Backup w/PC Tool Backup Software	$258.00
Summit SE-305 305MB IDE Tape Backup w/SummitSafe Software	$335.00
3M DC2120 120/250MB Mini Data Cartridge	$21.50
Mitsumi Internal CD-ROM w/Interface	$225.00
NEC CDR-74 External SCSI CD-ROM/MPC	$598.00
NEC CDR-84 Internal SCSI CD-ROM/MPC	$538.00
Sony CDU-31A Internal CD-ROM Drive w/Interface	$295.00
Sony CDU-535 Internal CD-ROM Drive w/Interface	$325.00
Sony CDU-541 Internal SCSI CD-ROM Drive	$465.00
**** CD Package - MultiMedia Encyclopedia, The Animals! (The San Diego Zoo) Reference Library, US Atlas / World Atlas, CD Game Pack II*	*$120.00*

PRINTERS

Citizen 200GX Printer (9pin/213cps/80col/color option)	$164.00
Citizen GSX-140+ Printer (24pin/220cps/80col/color option)	$289.00
Citizen GSX-230 Quiet Printer (24pin/color option)	$248 00
Citizen GSX-240 Quiet Printer (24pin/300cps/80col/color option)	$318.00
Citizen GSX-145 Printer (24pin/192cps/132col/color option)	$375.00
**** Color Kit for Citizen 200GX, GSX-140 +, GSX-230 or GSX-240*	*+45.00*
Hewlett Packard DeskJet 500 InkJet Printer	$415.00
Hewlett Packard DeskJet 550C Color InkJet Printer	$745.00
Hewlett Packard LaserJet IIP Plus Laser Printer	$815.00
Hewlett Packard LaserJet IIIP Laser Printer	$1025.00
Hewlett Packard LaserJet IV Laser Printer	$1435.00
Panasonic KX-P1180i Printer (9pin/240cps/80col)	$159.00
Panasonic KX-P1123 Printer (24pin/240cps/80col)	$199.00
Panasonic KX-P1124i Printer (24pin/300cps/80col)	$289.00
Panasonic KX-P2180 Quiet Printer (9pin/240cps/80col/color option)	$178.00
Panasonic KX-P2123 Quiet Printer (24pin/240cps/80col/color option)	$248.00
Panasonic KX-P2124 Quiet Printer (24pin/320cps/80col/color option)	$328.00
Panasonic KX-P2624 Quiet Printer (24pin/300cps/132col)	$398.00
**** Color Kit for Panasonic KX-P2180, KX-P2123 or KX-P2124*	*+45 00*
Panasonic KX-P4410 Laser Printer (5ppm/512K/300dpi)	$635.00
Panasonic KX-P4430 Laser Printer (5ppm/1MB/300dpi)	$915 00
Okidata OL400P LED Page Printer	$598.00
Okidata OL810 LED Page Printer	$1048.00
Okidata OL830 LED Page Printer	$1278.00
Okidata OL840 Postscript Printer	$1598 00
Star NX-1001 Multi-Font Printer (9pin/180cps/80col)	$139.00
Star NX-1020R Color Printer (9pin/180cps/80col)	$179 00
Star NX-2420R Rainbow Color Priner (24pin/250cps/80col)	$289.00

KEYBOARDS

BTC 5339SX 101keys Keyboard	$25.00
Focus-2001 101keys Keyboard w/Hard Dustcover (Click)	$42.00
Focus-6000 101keys Keyboard (Soft click)	$36.00
Focus-8000 111keys Keyboard (Calculator, Soft click)	$46.00
Focus-9000 128keys Keyboard (Programmable, Click)	$69.00
Fujitsu-4700 101keys Keyboard	$47.00
Honeywell-101WN 101keys Keyboard (3yr. warranty)	$40.00
KT-2000 101keys Keyboard (Keytronic made)	$42.00
MaxiSwitch 2191 124keys Programmable Keyboard	$69.00

CHASIS (CASES)

CS-20 Baby AT Case w/200W UL P.S. (3x5.25",2x3.5")	$84 00
CS-35 Mid Vertical Case w/230W UL P.S. (3x5.25",3x3.5",Digital)	$99.00
CS-36 Full Vertical Case w/230W UL P.S. (6x5.25",2HD,Digital)	$135.00
CS-300GTS Full Vertical Case w/300W UL P.S. (7x5.25", Double fan)	$185.00
CS-510 Baby AT Case w/200W P.S. (3x5.25",1x3.5")	$66.00
CS-931 Mini Vertical Case w/230W P.S. (2x5.25",3x3.5",Digital)	$65.00
CS-932 Mini Vertical Case w/230W P.S. (2x5.25",3x3.5")	$63 00
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MicroSoft Bus Mouse	$90.00
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Zoltrix Standard Internal 9600SR/2400 Send/Receive Fax/Data Modem -w/BitFax for Windows	$68.00
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Zoltrix Pocket 9600SR/2400 Send/Receive Fax/Data Modem	$120.00
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Aceex 9600bps External V.32/V.42bis/MNP5 Data Modem	$215.00
Aceex 14400/9600SR Internal Data/Fax Modem	$235.00
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Cyrix 83X87-25 / IIT 3C87SX-25 Math Coprocessor	$82.00 / $75.00
Cyrix 83D87-25 / IIT 3C87DX-25 Math Coprocessor	$88.00 / $80.00
Cyrix 83D87-33 / IIT 3C87DX-33 Math Coprocessor	$92.00 / $84.00
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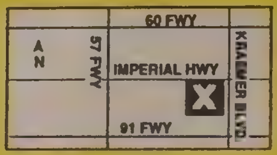

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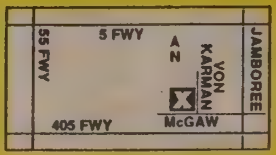

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- SVGA Card w/1MB
- 101 Enhanced Keyboard
- 2 Serial, 1 Parallel, 1 Game port
- Enhanced Case, Minitower/Desktop

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- SVGA Card w/1MB
- 101 Enhanced Keyboard
- 2 Serial, 1 Parallel, 1 Game port
- Enhanced Case, Minitower/Desktop

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486-DLC-33/64k cache	**$1395**
486DX-33/64k cache	**$1495**
486DX-50/64k cache	**$1695**
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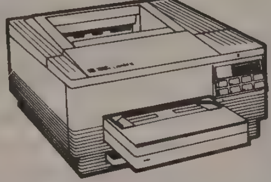

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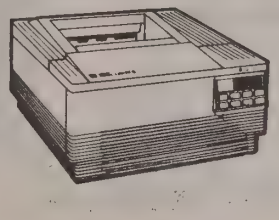

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- 101 Keyboard

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- SVGA Color Monitor
- 4MB RAM
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$499	No Monitor
$599	Mono
$649	Mono VGA
$799	Super VGA
$899	Non Interlaced
$1,04	Graphic Accelerator

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Advanced 333DX

- Intel 80386DX-33MHz CPU
- 4 MB RAM/64K SRAM Cache
- Choice of Teac 5.25" 1.2 MB or 3.5" 1.44 MB Floppy Drive
- 85 MB Hard Disk (17ms/32K Cache)
- 2 Serial, 1 Parallel, 1 Game Ports
- Mini Tower Case/230W Power Supply
- Enhanced 101-key Keyboard

w/Monitor & Card	
$699	No Monitor
$799	Mono
$849	Mono VGA
$999	Super VGA
$1,099	Non Interlaced
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- 4 MB RAM/64K SRAM Cache
- Choice of Teac 5.25" 1.2 MB or 3.5" 1.44 MB Floppy Drive
- 85 MB Hard Disk (17ms/32K Cache)
- 2 Serial, 1 Parallel, 1 Game Ports
- Mini Tower Case/230W Power Supply
- Enhanced 101-key Keyboard

w/Monitor & Card	
$799	No Monitor
$899	Mono
$949	Mono VGA
$1,099	Super VGA
$1,199	Non Interlaced
$1,349	Graphic Accelerator

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- Cyrix 80486DLC-33MHz CPU
- 4 MB RAM/64K SRAM Cache
- Choice of Teac 5.25" 1.2 MB or 3.5" 1.44 MB Floppy Drive
- 85 MB Hard Disk (17ms/32K Cache)
- 2 Serial, 1 Parallel, 1 Game Ports
- Mini Tower Case/230W Power Supply
- Enhanced 101-key Keyboard

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$999	Mono
$1,049	Mono VGA
$1,199	Super VGA
$1,299	Non Interlaced
$1,449	Graphic Accelerator

Advanced 440DLC (80486DLC-40)	Add $100

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- 130 MB Hard Disk (15ms/64K Cache)
- 2 Serial, 1 Parallel, 1 Game Ports
- Mini Tower Case/230W Power Supply
- Enhanced 101-key Keyboard

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$1,199	Mono
$1,249	Mono VGA
$1,399	Super VGA
$1,499	Non Interlaced
$1,649	Graphic Accelerator

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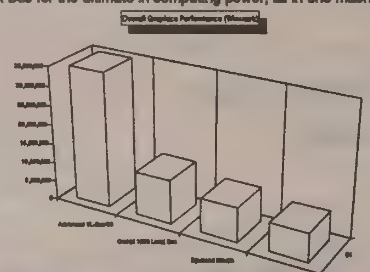

- Intel 80486DX2-66MHz CPU
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- Choice of Teac 5.25" 1.2 MB Floppy Drive
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EISA LOCAL BUS VESA

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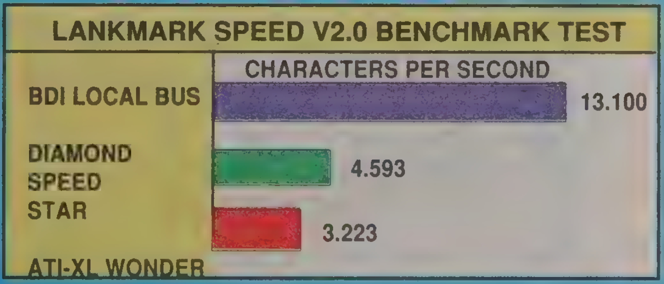

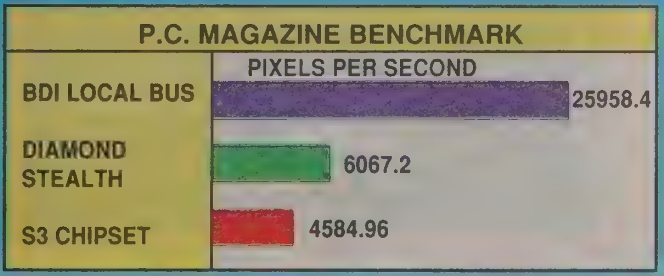

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- 101 Enhanced Keyboard
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- 64K Cache Memory
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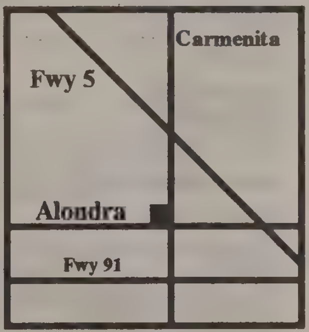

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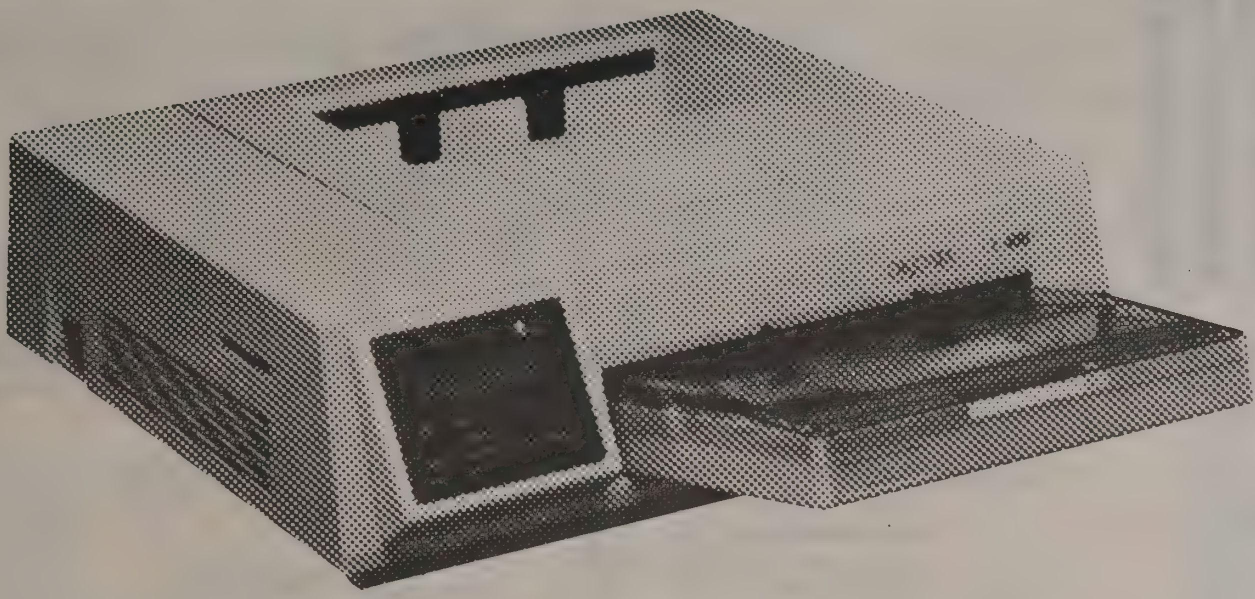

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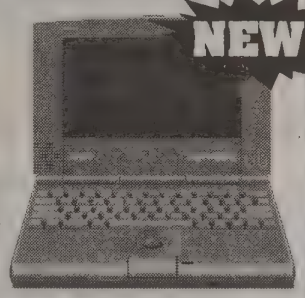

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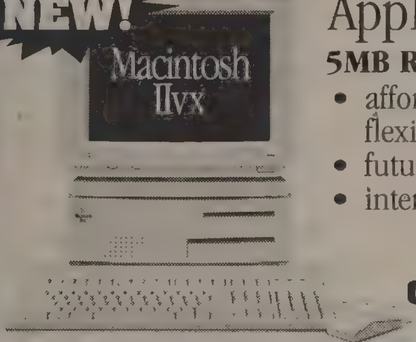

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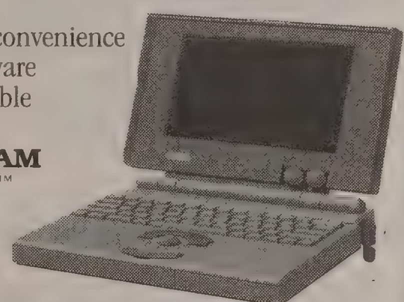

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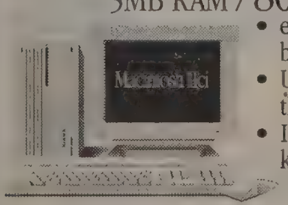

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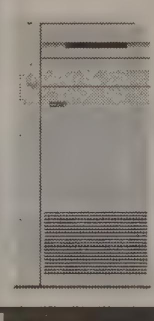

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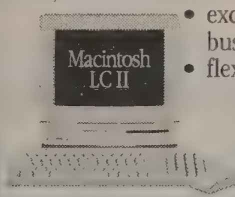

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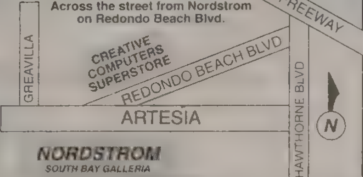

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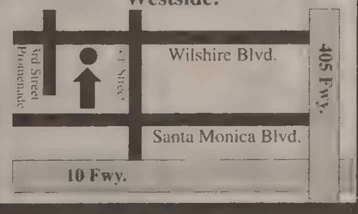

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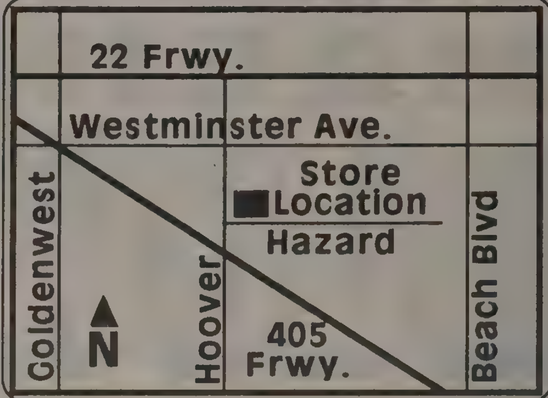

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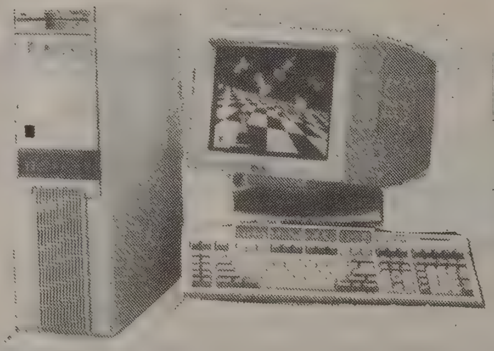

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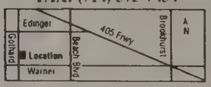

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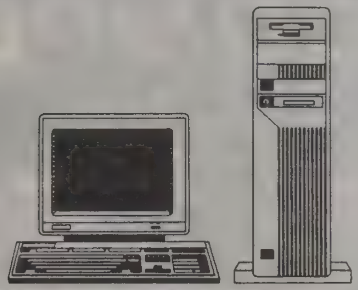

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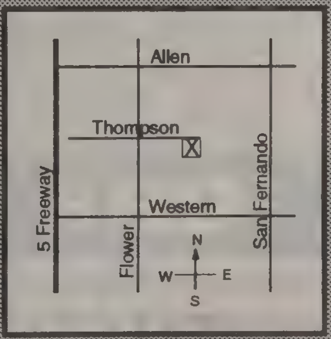

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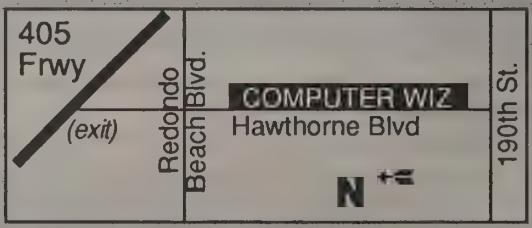

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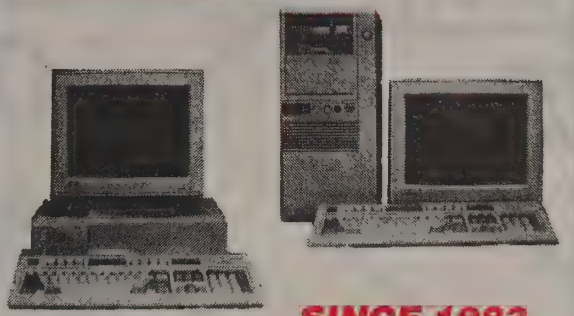

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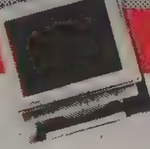

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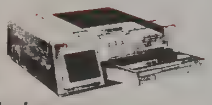

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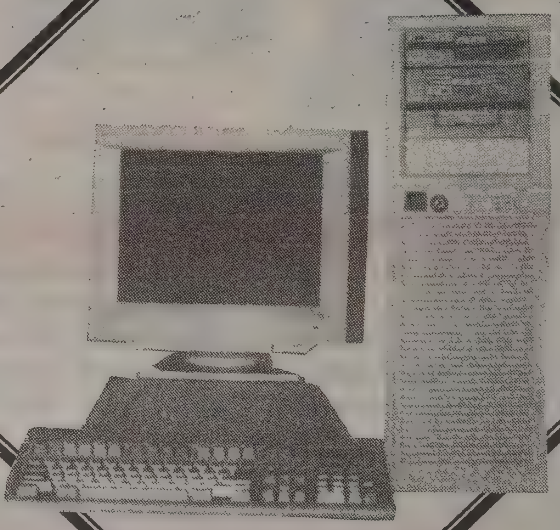

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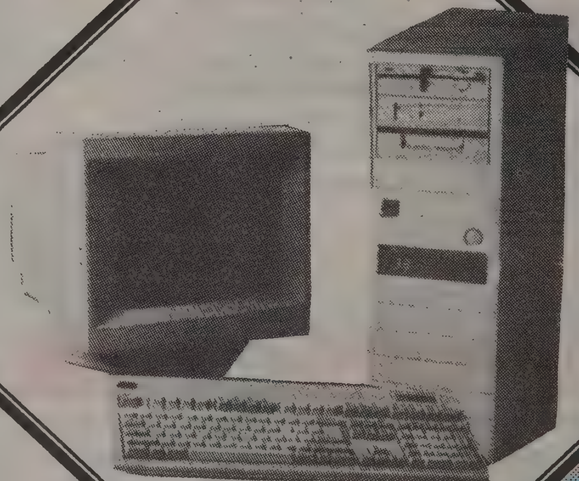

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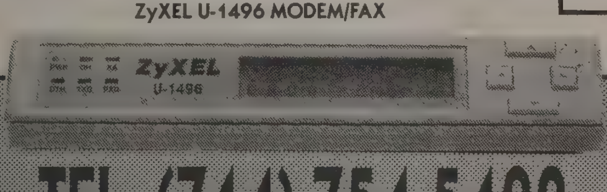

NOVELL

NOVELL Netware V2.2 (5 Users)	$430
NOVELL Netware V2.2 (10 Users)	965
NOVELL Netware V2.2 (20 Users)	2100
NOVELL Netware V3.11 (5 Users)	580
NOVELL Netware V3.11 (10 Users)	1235
NOVELL Netware V3.11 (20 Users)	1805
8-Bit Ethernet Card	108
16-Bit Ethernet Card	135
16-Bit Ethernet 10 Base-T	140

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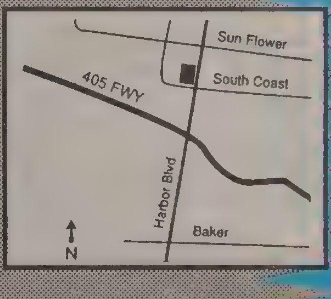
- All systems carry a (1) year parts and labor limited warranty
- (2) year warranty on labor
- Prices are subject to change without prior notice
- 24 Hours burn-in is required



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The MicroTimes Writers' Soapbox Awards For 1992

The Best (And Worst) Of The Past Year, As Seen From Extremely Varied Perspectives And Discussed At Extremely Varied Length...

MARY EISENHART

Well, about this time every year I point out my utter dependency on Claris's MacWrite II and FileMaker Pro, Software Ventures' MicroPhone, and WordWrapper (Open Designs, 415/929-1425). And it's all still true—MacWrite is showing its age a bit, but there's a new version due Real Soon Now; FileMaker came out with a spiffy new version this year; MicroPhone's new versions are praised elsewhere in this survey; and Word Wrapper still saves me a lot of time stripping those linefeeds from text files.

Also, that PowerBook 170 I liked so much last year? Well, I've still got it, Fremont serial number and all. Apple may have discontinued the 170 in favor of newer models, but I'll probably be clutching Little Fremont here when they cart me off to the Old Editors' Home. It'll probably have a bigger hard disk in it by then though...

But this year I've discovered some other products that are surpassingly cool, incredibly useful, or otherwise worthy of special mention, so here they are.

STAR TREK: THE SCREEN SAVER

This just arrived the other day, and since its gorgeous color graphics would be wasted on a PowerBook, we installed it on the IIfx in the art department.

Very little work seems to be getting done on the IIfx the last few days because we keep standing in front of it watching the infinitely varied mini-movies.

Veteran Trekkies will get a big kick out of all the authentic sound and video from OST episodes, from Spock's doleful "Most illogical..." to a screenful of Tribbles. But even if you've somehow missed the various sagas of the Enterprise up to this point, this screen saver from the folks who brought you Flying Toasters will help you go where No Mac Has Gone Before... (Berkeley Systems, 510/540-5535)

ACCESS PC

If your Mac has a SuperDrive and you need to handle DOS files or DOS-formatted disks, this product (from the makers of SoftPC and its various cousins) will improve your quality of life enormously. No more "Ack! This is not a Mac disk! Now what?" error messages—just a nice disk icon on your desktop and your files displayed the way Andy Hertzfeld intended. It also lets you format DOS disks and transparently perform a myriad of little inter-environment functions as you go through your work life. I like SoftAT also, but Access PC is the latest thing I can't live without. (Insignia Solutions, 1-800-844-7677)

POWERMODEM

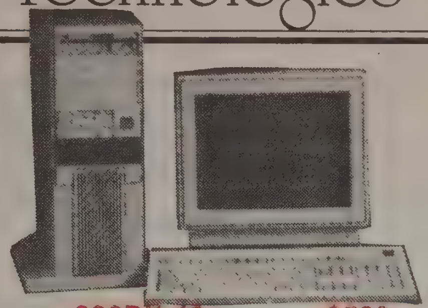
Early in my PowerBook's life, its Apple faxmodem (which, among its other deficiencies, didn't receive faxes) was replaced by this little 2400 data/9600 fax modem. It's performed flawlessly for about a year now. Highly recommended. (PSI Integration, 1-800-622-1722)

MACINTAX

If you can get by with 1040EZ, you probably don't need this. It's a big program, and all its worksheets take up a lot of disk space, and nobody likes doing their taxes anyway. But if you have even minor com-

MACRO Technologies

CONSULTING, SALES, SERVICE & REPAIRS



SYSTEMS

386DX-25	$449
386SX-25	$399
386SX-16	$379

386DX-25/SX-25/SX-16MB
80386DX-25/SX-25 CPU • 1MB Memory On Board
TEAC 1.2M or 1.44M FDD • 2 Serial/1 Parallel/1 Game
Mini-Vertical Case • 230W Power Supply
Focus 6000 Keyboard

386DX-40	$589
386DX-33	$569

386DX-40/DX-33MB
80386DX-40/DX-33 CPU • 64K High Speed Cache
4MB Memory On Board Exp. Up To 32MB
TEAC 1.2M or 1.44M FDD
2 Serial/1 Parallel/1 Game • Mini-Vertical Case
230W Power Supply • Focus 6000 Keyboard

SYSTEMS

486DX-50	$1249
486DX2-50	$1149
486DX-33	$995

486DX-50/DX2-50/DX-33MB
256K High Speed Cache (64K For 33MHz)
4MB Memory On Board Exp. Up To 64MB
TEAC 1.2M or 1.44M FDD • 2 Serial/1 Parallel/1 Game
Mid-Vertical Case • 230W UL Power Supply
Focus 6000 Keyboard

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OPTI 386-40MHz MOTHERBOARD w/CPU...ONLY $199
PANASONIC CD-ROM...ONLY $310

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Maxtor MX-7040A 40MB IDE (17ms)	$189
Maxtor MX-7080A 80MB SCSI HDD (17ms)	$269
Maxtor MX-7120A 120MB IDE HDD (15ms)	$309
Maxtor MX-7120S 120MB SCSI HDD (15ms)	$341
MaxtorMX-7213A 213MB IDE HDD (15ms)	$419
Maxtor MX-7213S 213MB SCSI HDD (15ms)	$530
Maxtor LXT-340A 340MB IDE HDD (13ms)	$690
Maxtor LXT-340S 340MB SCSI HDD (13ms)	$819
Maxtor XT-8380E 338MB ESDI HDD (13.5ms)	$1018
Maxtor XT-8380S 337MB SCSI HDD (13.5ms)	$1018
Maxtor XT-8760E676MB ESDI HDD (16.5ms)	$1328
Maxtor XT-8760S 675MB SCSI HDD (16.5ms)	$1328
Maxtor PO-12 1.2GB SCSI HDD (13ms)	$1713
Quantum ELS42 & 42MB SCSI (21ms)	$209
Quantum LPS52AT 52MB IDE HDD (17ms, 64K Cache Buffer)	$227
Quantum LPS84AT 84MB IDE HDD (17ms, 64K Cache Buffer)	$293
Quantum LPS105AT 105MB IDE HDD (17ms, 64K Cache Buffer)	$328
Quantum LPS 12A012 120MB IDE HDD (17ms,256K Cache Buffer)	$338
Quantum LPS24A012 240MB IDE HDD (15ms, 256K Cache Buffer)	$599
Seagate ST-351AX 42MB IDE HDD (28ms)	$196
Conner CP-3000 40MB IDE HDD (29ms)	$180
Conner CP-30084 80MB IDE HDD (17ms)	$229
Conner CP-30104 120MB IDE HDD (17ms)	$299
Conner CP-3204F 210MB IDE HDD (16ms)	$430
Western Digital AC280 80MB IDE HDD (17ms)	$239
Western Digital AC2200 212MB IDE HDD (13ms)	$409
TEAC 1.2MB FDD (5.25")	$59
TEAC 1.44MB FDD (3.5")w/Mounting Kit	$55
TEAC 2-in-1 1.2/1.44MB FDD	$148
TEAC 2.88MB FDD (3.5")w/Mounting Kit	$97
Panasonic 1.2MB FDD (5.25")	$59
Panasonic 1.44MB FDD (3.5")w/Mounting Kit	$55

ADD-ON BOARDS

Mono/Graphics/Printer Card	$15
TVGA-9000 VGA Card w/256K (Trident 9000 Chipset, Up To 512K)	$39
TVGA-8900C 1MB Super VGA Card (Trident 8900C Chipset)	$68
PVGA-1C VGA Card w/256K (WD90C11 Chipset, Up To 512K)	$51
PVGA-1D Super VGA Card w/1MB (WD90C30 Chipset)	$88
PVGA-1DW Graphics Accelerator w/1MB & Hi-Color Chip (1280x1024)	$139
ATi VGA Wonder XL VGA Card (32,768 Colors, OEM Version)	$134
ATi VGA Wonder XL VGA Card w/Mouse (OEM Version)	$165
ATi Graphics Vantage 1MB VGA Card w/Mouse (OEM Package)-11 Times Faster Than Super VGA Cards, 1280x1024	$217
ATi Graphics Ultra 1MB (VRAM) VGA Card w/Mouse (OEM Package) -24 Times Faster Than Super VGA Cards, 1280x1024	$379
Diamond Speed Star-24X 1MB VGA Card (16 Million Colors)	$202
Diamond Stealth 1MB (VRAM) Window Accelerator w/Hi-Color Chip	$264
Orchid Pro-Designer IIs 1MB VGA Card w/Sierra RAMDAC (32,768 Colors)-70Hz Refresh Rate at 1024x768	$159
Orchid Pro-Designer IIs-E 1MB EISA VGA Card w/Sierra RAMDAC (32,768 Colors)-70Hz Refresh Rate at 1024x768	$192
Orchid Fahrenheit 1280 1MB (VRAM) Graphics Accelerator w/Sierra RAMDAC-32,768 Colors, 12 Times Faster Than Super VGA Cards, 1280x1024	$259
AT I/O (2Serial/1 Parallel/1 Game) Card	$14
Parallel(Printer)Card	$9
Game Card (Dual Ports)	$10
AT IDE Adapter (Dual Floppy & Hard Disk) w/Cable	$15
AT Super IDE IO Adapter (Dual Floppy & Hard Disk, 2S/1P/1G)	$23
UltraStor 12F-24 1:1 (24M Bit/s) ESDI Floppy/Hard Disk Controller	$159
UltraStor 12C ESDI Caching FD/HD Controller w/0MB (Up To 16MB)	$409
UltraStor 15C IDE Caching FD/HD Controller w/0MB (Up To 8MB)	$212
UltraStor 14F SCSI FD/HD Controller	$243
Future Domain 850 8-Bit SCSI Hard Disk Controller	$65
Future Domain 1670 16-Bit SCSI Floppy/Hard Disk Adapter Kit	$162
ADAPTEC AHA-1522BK SCSI Adapter Kit	$165
ADAPTEC AHA-1542B SCSI Floppy/Hard Disk Adapter(Card Only)	$238
ADAPTEC AHA-1542BK SCSI Bus Master Host Adapter Kit	$275
ADAPTEC AHA-1742BK EISA SCSI Bus Master Adapter Kit	$488

Terms & Conditions: All parts and systems carry a ONE YEAR LIMITED WARRANTY except monitors and printers which are warranty by manufacturers. All sales on Monitors, Printers and Hard Disk Drives are final. NO REFUND. All returns are subjected to our approval and must have prior authorization. Return items must be in their original condition, send shipping prepaid. All refunds or credits are less shipping and bank charges. All refund items must be returned within 14 days of invoice. There will be a 20% restocking fee after the 7 days period and within 30 days of invoice. Thereafter only exchanges are available during the rest of the warranty period. Price, Specification & Availability subject to change without any notice. All prices subject to change without notice

SYSTEM BOARDS

OPTI Baby 486DX-50MHz EISA M/B w/256K Cache	$1122
OPTI Baby 486DX-50MHz M/B w/256K Cache (Write-Back Cache)	$797
OPTI Baby 486DX2-50MHz M/B w/256K Cache (Write-Back Cache)	$725
OPTI Baby 486DX-33MHz EISA Local Bus M/B w/256K Cache	$849
OPTI Baby 486DX-33MHz Local Bus M/B w/128K Cache	$619
- w/Tseng Lab ET-4000 1MB Local Bus Card & IDE Multi I/O	+$167
- w/S3 1MB Local Bus Graphics Accelerator & IDE Multi I/O Card	+$277
OPTI Baby 486DX-33MHz M/B w/128K Cache (Write-Back Cache)	$605
OPTI Baby 386DX-40MHz M/B w/128K Cache(Write-Back Cache)	$231
OPTI Baby 386DX-33MHz M/B w/128K Cache	$221
OPTI Baby 386DX-25MHz M/B (w/Intel CPU)	$182
UMC Baby 486DX-50MHz M/B w/256K Cache (Write-Back Cache)	$802
UMC Baby 486DX2-50MHz M/B w/256K Cache (Write-Back Cache)	$704
UMC Baby 486DX-33MHz M/B w/64K Cache (Write-Back Cache)	$609
UMC Baby 386DX-40MHz M/B w/64K Cache (Write-Back Cache)	$236
UMC Baby 386DX-33MHz M/B w/64K Cache	$226
Orchid SuperBoard 486DX-50MHz M/B w/256K Cache (Local Bus)	$932
Orchid SuperBoard 486DX-33MHz M/B w/256K Cache (Local Bus)	$859
- w/Orchid ProDesigner IIs-D 1MB Local Bus Card	+$179
- w/Orchid Fahrenheit 1280-D 1MB Local Bus Card	+$242
VEGA Baby 486DX-50MHz EISA M/B w/256K Cache (USA Made)	$1172
VEGA Baby 486DX-33MHz EISA M/B w/256K Cache (USA Made)	$1019
VEGA Baby 486DX-50MHz M/B w/256K Cache (USA Made)	$862
VEGA Baby 486DX2-50MHz M/B w/256K Cache (USA Made)	$742
VEGA Baby 486DX-33MHz M/B w/64K Cache (USA Made)	$659
C&T Baby 386DX-33MHz M/B w/64K Cache (w/Intel CPU)	$244
***256K Cache Upgrade From 64K For All 486 And 386 M/B	$42
C&T Mini 386SX-25MHz M/B	$134
Headland Mini 386SX-25MHz M/B	$129

KEYBOARDS

Focus-2001 101 Keys Keyboard w/Hard Dustcover (Click)	$43
Focus-5001 130 Keys Keyboard (Dbl. Function Keys,Calculator, Etc.)	$59
Focus-6000 101 Keys Keyboard (Soft Click)	$37
Focus-7000 108 Keys Keyboard (Diagonal Arrow Keys, Soft Click)	$39
Focus-8000 111 Keys Keyboard (Calculator, Soft Click)	$45
Focus-9000 128 Keys Keyboard (Programmable, Same As 5001 K/B)	$71
Fujitsu-4700 101 Keys Keyboard	$46
Keytronics KT-2000 101 Keys Keyboard	$43
ABC 102 Keys Keyboard	$28
BTC 101 Keys Keyboard	$27

MONITORS

CTX5439A 14" Super VGA Color Monitor (1024x768, .39dp)	$248
CTX5468A 14" Super VGA (TriScan) Color Monitor (1024x768,.28dp)	$288
CTX5468NI 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$323
CTX1760 17" Flat-Screen Multi-Freq. Monitor (1280x1024,.28dp)	$1033
ViewSonic 4E 14" Super VGA Color Monitor (1024x768,.28dp)	$316
ViewSonic 6 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$357
ViewSonic 6E 14" Non-Interlaced Color Monitor (1024x768,.28dp)	$348
ViewSonic 5E 14" Non-Interlaced Color Monitor (1024x768,.28dp 72Hz Refresh Rate at 1024x768)	$418
ViewSonic 5+ 14" Non-Interlaced Color Monitor (1024x768,.25dpTrinitron Tube, 70Hz Refresh Rate at 1024x768)	$521
ViewSonic 6FS 15" Multi-Frequency Color Monitor (Flat-Screen, Low Radiation, 1280x1024,.28dp 72Hz Refresh Rate at 1024x768)	$620
ViewSonic 7 17" Multi-Frequency Color Monitor (Digital Auto-Tracking Flat-Screen, Low Radiation, 1280x1024,.28dp)	$1079
ViewSonic 8 20" Multi-Frequency Color Monitor (Digital Auto-Tracking Low Radiation, 1280x1024,.31dp)	$1643
Sony CPD-1304 14" MultiScan Monitor (Non-Interlaced, .25dp)	$596
Sony CPD-1604S 17" MultiScan Monitor (Non-Interlaced,.25dp)	$1118
NEC MultiSync 3FGx 15" Color Monitor (1024x768,.28dp)	$668
NEC MultiSync 4FG 15" Color Monitor (AccuColor & Digital Controls 1024x768,.28dp)	$778
NEC MultiSync 5FG 17" Color Monitor (AccuColor & Digital Controls 1280x1024,.28dp)	$1478
NEC MultiSync 6FG 21" Color Monitor (AccuColor & Digital Controls1280x1024,.28dp)	$2978
Micro 12" Amber Monitor	$84
Micro 14" Paper-White Monitor	$104
Micro 14" Paper-White Mono VGA Monitor	$124
Micro 14" VGA Color Monitor (640x480,.41dp)	$238

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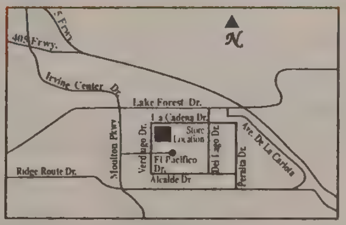
MCS 959 Baby AT w/230W UL Power Supply (3x5.25", 2x3.5" Digital)	$79
MCS D2 Baby AT w/230W Power Supply (3x5.25", 1x3.5")	$69
MCS M1 Mini-Tower w/230W Power Supply (2x5.25", 3x3.5" Digital)	$69
MCS M2 Mini-Tower w/230W Power Supply (2x5.25', 3x3.5")	$64
MCS 923 Mid-Tower w/230W Power Supply (2x5.25", 3x3.5" Digital)	$86
MCS 912 Full-Size Tower w/230W UL Power Supply (6FDD/HDD Digital)	$115
Diamond Series:(Black Color Model Available+$3.00)	
MCS -130 Full Vertical Case w/250W UL Power Supply (4x5.25', 2HD, Digital)	$156
MCS-230 Mid Vertical Case w/250W UL Power Supply (4x5.25", 2HD, Digital)	$146
MCS-330 Mini Vertical Case w/220W UL Power Supply (2x5.25", 3x3.5", Digital)	$90
MCS-530 Desktop Case w/250W UL Power Supply (2x5.25", 2x3.5", 2HD, Digital)	$103
MCS-730 Baby AT Case w/250W UL Power Supply (2x5.25",1x3.5",1HD, Digital)	$94
MCS-830 Slim Line Case w/220W UL Power Supply (1x5.25", 1x3.5", 1HD, Digital)	$90

MISCELLANEOUS

CD-ROM Mitsumi Internal [illegible]	$329
CD-ROM Panasonic IDE w/AT Bus Ctrl	$342
CD-ROM Panasonic SCSI w/TMC 850 Ctrl w/Driver	$459
***CD Package-Illustrated Encyclopedia, National Geographics, Reference Library, US Atlas/World Atlas, CD Game Pack II	$123
Sound Blaster Pro	$202
Logitech Dexxa Mouse	$27
Logitech Bus Mouse Man	$69
Logitech ScanMan 32 (Hand-Held Scanner)	$147
MicroSoft Serial Mouse	$88
Z-Nix Super Mouse	$18
Z-Nix Super Mouse w/MicroSoft Windows 3.1	$64
Smart-Link Internal 2400 Baud Data Modem	$43
Smart-Link External 2400 Baud Data Modem	$66
Smart-Link Internal 9600/2400 Send/Receive Fax/Data Modem	$79
U.S. Robotics Sportster 2400 PC Internal Data Modem	$122
U.S. Robotics Sportster 9600 External Modem (Thruput 38,400bps)	$340
Colorado Memory System DJ-10120MB Tape Backup System	$204
Colorado Memory System DJ-20250MB Tape Backup System	$259
Colorado Memory System AB-11 External Adapter Kit	$38
Colorado Memory System KE-09 External Drive Kit	$83
Colorado Memory System FC-10500Kb/s-1MB/s Adapter Kit	$88
Colorado Memory System TC-15 Data Compression Adapter Kit	$187
Cyrix 83X87-25/IIT 3C87SX-25 Math Coprocessor	$84
Cyrix 83D87-25/IIT 3C87DX-25 Math Coprocessor	$95
Cyrix 83D87-33/IIT 3C87DX-33 Math Coprocessor	$97
Cyrix 83D87-40/IIT 3C87DX-40 Math Coprocessor	$125

MEMORY MODULES AVAILABLE!



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The MicroTimes Writers' Soapbox Awards For 1992

plications in your tax return (e.g. itemized deductions or free-lance income) this package eliminates most of the pain and suffering, to say nothing of miscalculations and omissions. If you get the state package as well as the federal, your state return will practically do itself. (ChipSoft, 619/453-8722)

AMIX (AMERICAN INFORMATION EXCHANGE)

In eight years of Mac use, this is the first year I've encountered DOS-based products I really wanted to use. One of them is AMIX, subtitled The Information Marketplace. Part online service, part software, part Long Overdue Idea, AMIX offers a virtual home for the buying and selling of any information that can be digitized, from books to software, as well as an exchange medium for service contracting, negotiation, etc.

Since it opened for business earlier this year, AMIX has had a somewhat bumpy shakedown cruise as the complex software revealed interesting and unexpected personality traits, the company lost its main investor (Autodesk), and hordes of would-be customers wailed "Where's the Mac version?"

Well, the latest word is that the long-awaited Mac version will be unveiled at Macworld in January, thereby relieving the support staff of the burden of dealing with those of us trying to make SoftAT and a PowerBook do things their designers never intended...(AMIX, 415/903-1000)

POWER JAPANESE

This is a Windows package, so not even the most pigheaded among us can run it under SoftAT on a PowerBook. (However, hope springs eternal—Insignia's coming out with SoftPC Windows, and believe me, this is the first package I'm going to try to run...)

There are many software packages for Macintosh that help you learn Japanese, but nearly all of them are of the drill-and-flashcard variety; they'll help you learn vocabulary, they'll help you recognize (and sometimes write) the kanji and kana, but they are best used as supplements to classes and workbooks.

Power Japanese, on the other hand, is a full-featured, self-contained multimedia (sound, animations, graphics) instructional program. It's the only one I've seen, for instance, that makes you write sentences in Japanese. It has far more depth, complexity, and interactivity than anything I've seen on the Macintosh.

I keep hoping that its creators, BayWare, will port it to Macintosh, but there are no immediate prospects for that. (BayWare, 415/312-0980)

RICH GRACE

BEST NEW DTP RELEASE:

FRAMEMAKER 3.0

This program is a tech writer's dream, and excellent in its first Windows release. Not only is it available on almost every conceivable platform, but its depth of text manipulation features, and level of sophistication in handling long documents, are presently unsurpassed. It's also speedy and stable. A deep, difficult program, but for professional use it's a solid choice.

BEST NEW HARDWARE:

THE CYRIX 486SLC AND 486DLC MICROPROCESSORS

In the second half of this year, Cyrix released the 486SLC (a 386SX-style chip) and the 486DLC (a high-performance replacement for the 386). For my money, the SLC-25 makes all 386SX chips hopelessly obsolete. It comfortably matches a 386-40 in almost all tests. (A 33MHz chip is in the works.) The 486DLC is a technical marvel. You can almost literally swap this chip with a regular 386, and receive nearly double the raw performance. In Windows graphics applications, the 486DLC-33 closely matches the Intel 486-33 with comparable hardware. The chip is available in 33MHz and 40MHz speeds. While skipping the technical details, I have no hesitation in calling these chips the Best Product of the year.

WORST HARDWARE RELEASE OF THE YEAR:

THE MACINTOSH PERFORMA SERIES

Apple's misguided Performa Macintosh series sets a new low for product redundancy and cynical manipulation of the consumer market. In particular, the Performa 200 and 400 are simply Mac Classic II and Mac LC II CPUs dressed up with a new label and a higher price tag! Furthermore, the Performa 600 runs a cool $2500! This is giving the consumer a break? Underpowered and overpriced—standard fare from Apple.

WORST SOFTWARE RELEASE OF THE YEAR:

VENTURA PUBLISHER 4.1 FOR WINDOWS

I really regret having to say this, but Ventura's new dressed-up desktop publishing release is a disaster. Equipped with a snazzy new button bar and greater flexibility in finding and using features, the new Windows-friendly interface omits basic features like stable operation (it barfs every time I run it on an 8MB 486-33) and reasonable start-up time (requiring over two minutes). I hope Ventura releases a maintenance fix *fast.* Right now, this program is a real mess.

ED KAHN

SOFTWARE:

ADDRESSMATE

Finally, the dream has come true (if you have an HP LaserJet or compatible printer). You can now print your letters, feed in an envelope, and like magic, it will print with your return address and bar codes. No muss, no fuss, no buttons to push. Virtually transparent, but you can still have lots of control to print labels and the like. (AddressMate Software, 6715 Canyon Trail, El Cerrito, CA 95430-1705. 510/237-7460. $99.95)

FILERUNNER

Another figment of my imagination has been materialized by someone who's given me more than I asked for. Now, moving files between my desktop and laptop is as simple as putting a floppy disk into my machine when I leave the office, invoking Runner and pressing "F10." When I get to my second machine, I simply insert the disk, invoke Runner and hit "F10" again. Now my two computers are identical. No cables or fancy commands to remember. (MBS Technologies, Inc., 34 W. Sycamore, Arcadia, CA 91006. 1-800-860-8700. $99.95)

INFO SELECT

This memory resident program is accessible from inside any other program and lets you enter random bits of information into notes. When you want the information back, you can get it by remembering any word in the note. The program will also dial a phone number found in a note. You can keep a running log on a project by reentering a note and adding to it. One of the programs I can't be without. (Micro Logic, P.O. Box 70, Hackensack, NJ 07602. 1-800-342-5930)

WINDOWS 3.1

This product is revolutionizing the computer business to the point that it can no longer be ignored. Finally, most of my favorite software products are coming out in Windows versions and lots of new software is appearing exclusively in this format. This is clearly the interface for the foreseeable future.

QUICKEN 6.0

This is rapidly becoming the financial software for everyone who has a checking account or credit card. It writes my checks, balances my account, and keeps all kinds of financial records in order for end-of-the-year accounting. Intuit keeps improving the product. This newest version links to a credit card; it will present its bill either by modem or disk and separate your expenses into Quicken categories for you. Pretty nifty. (Intuit, P.O. Box 3014, Menlo Park, CA 94026. 1-800-624-8742. $69.95)

HARDWARE:

THE HEWLETT-PACKARD 95LX

Although this palmtop is not really a 1992 product, I select it as a product of the year because HP continues to improve it, and because so many support products are coming to market. This year they introduced a 1MB version ($799). The 512K model ($550) is still available and can be upgraded for $200. I questioned whether I would get enough use out of this machine to justify its steep price, but I find I use it every day. It has capabilities far beyond what you'd expect from a machine of this size. (Hewlett-Packard, 1000 N.E. Circle Blvd., Corvallis, OR 97330. 1-800-443-1254)

DOUBLEDISK

A godsend for computer users who lack enough floppy drives, the right size floppy drives, or the right capaci-

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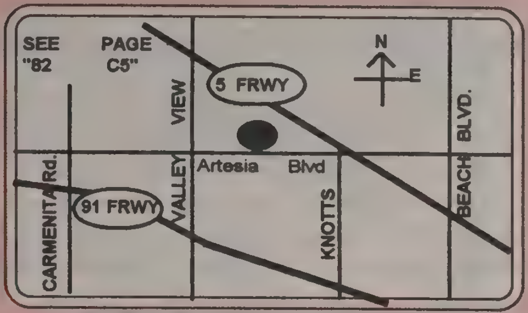

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- Floppy / Hard Disk Controller
- 2 Serial / 1 Parallel / 1 Games
- 101 Enhanced Keyboard

Best for Student!!

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K-NET 486-33Mhz Deluxe Color System

- Cyrix 486DLC-33Mhz CPU
- **4 MB** Memory
- 64K Cache Memory
- Math-Coprocessor included
- **130 MB** Hard Drive
- **TEAC 1.2 & 1.44** MB Floppy Drive
- Deluxe Mini Tower Case
- Super VGA Card w/ **1MB** RAM
- Super VGA Monitor,***.28 Dot Pitch,1024x768***
- Floppy / Hard Disk Controller
- 2 S/ 1P/1G Port * 101 Enhanced Keyboard

256K Cache + $45

$1258

K-NET 486DX-33Mhz Cache System

- **INTEL** 486DX-33Mhz CPU
- **4 MB** Memory Exp.32MB
- 64 Cache Memory
- **130 MB** Hard Drive
- 101 Enhanced Keyboard
- Deluxe MiniTower Case
- Super VGA Card w/ **1MB** RAM
- Super VGA Monitor ***.28 dp, 1024x768***
- Floppy / Hard Disk Controller
- 2 Serial / 1 Parallel / 1 Games
- **TEAC 1.2 & 1.44** MB Floppy Drive

256K Cache +$45

$1448

K-NET 486DX-33Mhz 32 Bit Local Bus System

- **INTEL** 486DX-33Mhz CPU
- **4 MB** Memory Exp.32MB
- Built-in Math Coprocessor
- **256K** Cache Memory
- **130 MB** Hard Drive
- 101 Enhanced Keyboard
- Deluxe **Middle** Tower Case
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K-NET 486DX-50Mhz 32 Bit Local Bus System

- **INTEL** 486DX-50Mhz CPU
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- **256K** Cache Memory
- **213 MB** Hard Drive
- 101 Enhanced Keyboard
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- 2 Serial / 1 Parallel / 1 Games
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$1988

K-NET PRODUCT LINE

Network products:

8-bit ArcnetCard	$45.00
8-bit Ethernet Card	$78.00
16-bit Ethernet Card	$93.00
16-bit 10 Base-T Ethernet Card	$125.00
NetWare Lite v1.1 w/Dr. Dos6.0	$69.00
Lantastic A/I v.4.1	$69.00
BNC Terminator	$1.75
BNC Connector	$1.50

Misc.:

DOS 5.0	$39.00
Windows 3.1	$39.00
* *96/96/24 FAX Modem*	*$69.00*
2400 Internal Modem	$35.00
Sound Blaster (OEM)	$95.00

(come w/ ***Free Speaker***)

Printers:

HP DeskJet 500/500c/550c	$375/499/699
HP LaserJet IIP+/IIIP	$745/975
HP LaserJet 4	$1475

EPSON, Panasonic, OKIDATA, and more selection for dot matrix printers..................!!

(Cash price for all of the advertised HP printers)

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ties on the drives they have. This unit has both a 3.5" and a 5.25" drive. The drive will accept all capacities from single density up to ultra high-density, regardless of whether your computer is designed to accept these sizes or capacities. The unit attaches through the parallel port. (Pacific Rim Systems, Inc., 2655 Barrington Ct., Hayward, CA 94545. 1-800-PAC-RIM1. $449)

HEWLETT-PACKARD DESKJET PORTABLE

This product is brand new and I have not had a chance to adequately test it out; nevertheless, I am choosing it as a product of the year because I have never been disappointed by an HP printer, and this fills a big gap. At last, a 4 lb. portable printer with laser quality. It has more fonts than a standard DeskJet. Carrying case ($99), cut sheet feeder ($99), and rechargeable batteries ($49) are available. (Hewlett-Packard Company, Direct Marketing Organization, P.O. Box 58059, MS511L-SJ, Santa Clara, CA 95051-8059. 1-800-752-0900. $599)

> "I have never been disappointed by an HP printer, and this fills a big gap. At last, a 4 lb. portable printer with laser quality."

SMART LABEL PRINTER PLUS

Seiko introduced the original Smart Label Printer a few years ago. The new version comes with much improved software that's available for Windows, DOS, and Mac platforms. If you've put off getting this gadget, now may be the time. I love mine for labeling packages as well as video tapes, file folders, floppy disks, and a hundred uses that I never imagined. (Seiko Instruments USA, Inc., 1130 Ringwood Ct., San Jose, CA 95131. 408/922-5900. $249.95)

PCMCIA

This hardly qualifies as a hardware product, but it's certainly bound to have an impact on all kinds of hardware. This is the standard that allows all kinds of devices, from memory cards to modems, to fit into the wafer-thin slots that are now appearing on palmtops, laptops, and desktop machines. The number of PCMCIA devices is still small, but this interface may well revolutionize the way our computers look and work as more and more products appear that conform to the PCMCIA standard, type II.

WOODY LISWOOD

SPEEDSTOR 2.0

Transparant disk compression which doubles your storage space without causing problems.

AMIPRO 3.0

Still, in my opinion, the best of the Windows or DOS word processors.

LOOM

The best multimedia CD-ROM based game I've played, to date.

ABRA2000

At $495, a steal for a Human Resource Information System.

CALENDAR CREATOR PLUS FOR WINDOWS

Moving to Windows made this classic even better than before.

CROSSTALK FOR WINDOWS

Still the best communication program around. Its use of on-screen button macros beats all of the other communication programs for ease of use and customability.

WINDOWS 3.1

Not just a program, but the operating environment of choice.

ARTS & LETTERS

With its multitudes of clip art images, a best buy for the business person who needs to do lots of charts and graphics.

EXCEL FOR WINDOWS

The spreadsheet that everyone wants a spreadsheet to be.

EZTAPE FOR WINDOWS AND DOS

The internal tape backup system works great.

BACKIT FOR WINDOWS

My favorite backup program, moved to Windows.

DAVID MORGENSTERN

Has another year gone by? Unbelievable! My time sense is running at a RISCy clip. It seems that only yesterday I was writing my latest BMUG column. Surprise—I was!

It is a great privilege to write under the BMUG banner. The helping and giving that flows daily from our staff and volunteers is an awesome reminder of the original spirit of computing. We're all doing our part to help users with their silicon buddies. I thank *MicroTimes*, Mary Eisenhart, and especially all the readers that have supported the BMUG column. May you and your data remain safe and healthy in the coming year.

> "If you've spent thousands of dollars for a hard drive bigger than the Grand Canyon, you don't want a crummy two-buck cable to bus your precious data."

Here are my picks for hardware and software honors. I guarantee that you will find them eccentric! They are practical items that will help keep you computing and productive. They're not the sexiest choices, but if that's a requirement you'd do better with a Victoria's Secret catalog.

I also stayed away from any recommendations of particular Macintosh models. The best place for that information is the newly revised edition of our informational pamphlet, *Which Macintosh Should I Buy?: BMUG's Guide to Buying an Apple Macintosh Computer.* You follow Dawanda, Maya, and a cast of hundreds through the decision process of selecting their computers. It's available through the BMUG office.

DAVID'S TOP FIVE HARDWARE PRODUCTS

BERKELEY DATA ACCESS SCSI CABLES

If you've spent thousands of dollars for a hard drive bigger than the Grand Canyon, you don't want a crummy two-buck cable to bus your precious data. Steve at B.D.A. can talk SCSI cables all day, and his are the best! This is a small, wholesale kind of operation, so you have to order cables a couple at a time; four at a time will get you the best price break. (Berkeley Data Access, 2560 Bancroft Way, #3, Berkeley, CA 94704. 510/644-2396)

COMMONSENSE CNX

This product is an amazing sense and control node, useful in scientific data acquisition, or around the house—no kidding! You can connect any kind of sensor, or combination of sensors, and control or collect data over an AppleTalk network. Using PhoneNet connectors, and remote software, you can control your home security system from work. (Radiant Enterprises, Inc., 1714 Stockton St., San Francisco, CA 94133. 415/296-8040, fax: 415/362-3528)

THE MACINTOSH WOMAN

Scott Kronick, longtime BMUGer, has always been know for his entertaining writing and tremendous wit. Scott's latest opus is *The Macintosh Woman,* a novel. It's really four stories, written over a span of a dozen years, that follow the inner lives of a few friends, with a side fugue into a science fiction movie. The book is not a linear narrative, but rather jumps around like hypertext, speaking in different voices and thoughts. *The Macintosh Woman* is $14 (postage included) from Kronick, 1442A Walnut St., Ste. 278, Berkeley, CA 94709.

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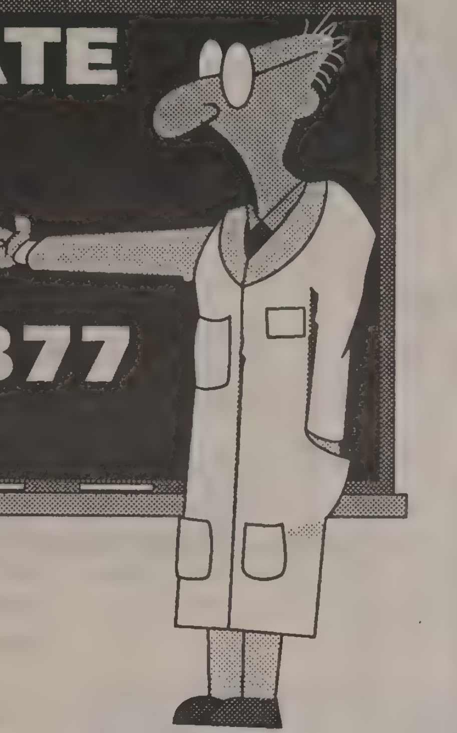

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FX-1050	389
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LQ-870	439
LQ-1070	379
LQ-1170	599
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ES-300C	call

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Hercules Chrome C531	1,110
Hercules Chrome C631	1,125
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ACCESSORIES

Seiko Smart Label Plus Printer

—DOS	$139
—Windows	179
COMPUTER ERGONOMIC UPGRADE! (Anti glare/radiation./wrist-rest).	99

Prices subject to change without notice. Prices subject to product availability. Listed names are registered trademark of their respective companies.

tor, they will pay for any and all repairs. (Panamax, 150 Mitchell Blvd., San Rafael, CA 94903-2057. 1-800-472-5555; fax: 415/472-5540)

VERSAGRIP

The VersaGRIP system by Q-Safety is an impressive set of simple devices to hold your computer, or any other electronic equipment, down on the desktop during an earthquake. The braces are various flavors of molded nylon automobile industry Velcro fasteners. (Q-Safety, 2341 East Foothill Blvd., Pasadena, CA 91107. 818/449-1590; fax 818/449-6866)

DAVID'S TOP FIVE SOFTWARE PRODUCTS

THE BMUG PD-ROM AND TV-ROM

If you've gone out and bought one of the nifty fast CD-ROM players, you'll want something good to play on it. These are solid gold hits and useful to boot. A bargain at only $50 each. (BMUG, 1442A Walnut St., #62, Berkeley, CA 94709-1496. 510/549-BMUG; fax 510/849-9026)

THE BMUG TIE-DYED T-SHIRT

I know, it's a soft-wear product—so sue me! This beautiful bright rainbow shirt, with "BMUG" on the front, and "The BMUG T-Shirt, tie-dyed in Berkeley by Deadheads" on the back, is a winner in any crowd—hard rock and hardware. Only $15.

ENDNOTE PLUS

More people than ever before are going back to school. Keeping track of information for the various term papers you have due is always a problem. EndNote Plus, a powerful database that knows all about bibliographic references and styles, almost makes writing a term paper fun. It automatically generates a correctly formatted bibliography and footnotes for your paper. (Niles and Associates, 2000 Hearst St., Berkeley, CA 94709. 510/649-8176; fax 510/649-8179)

MACINDEX

If you're responsible for providing Macintosh information to others, you'll find MacIndex extremely useful. It indexes all the articles in *MacUser*, *MacWEEK*, and *Macworld* magazines. Every month, you get the data in either EndNote, FileMaker Pro, or HyperCard formats. Subscription is $120/year, only $10 per month. (Graphic Technology Research, 103 East Ferry St., Berrien Springs, MI 49103. 616/473-5000)

MICROPHONE II, V4.0X

This was the most powerful telecommunications program for the Macintosh, until its even more powerful sibling, MicroPhone Pro hit the streets recently. It can make the nastiest interfaces and difficult online tasks friendly. (Software Ventures Corp., 2907 Claremont Ave., Berkeley, CA 94705, 1-800-336-6477; fax 510/848-0885)

MICHAEL ROBIN

1992 was the year I finally converted my Macs—at home and at work—to System 7. After much reluctance—and an accelerator board—I switched, and now wonder why it took me so long.

I added a 25MHz 030 processor for my (increasingly ancient) SE. The board solved the processing speed dilemma, but memory constraints remained. The SE is limited to 4MB of physical RAM. At least it was until **Connectix** provided a software solution with **Virtual Software**. With the **Mobius 030** system and Page Memory Management Unit (PMMU), Virtual lets my SE use the virtual memory feature of System 7. (And you will certainly need this capability as applications grow to fill the amount of memory available.)

With enough speed and memory, System 7 becomes almost indispensable.

The one other new application that I've found myself turning to is **Retrieve It!** (MVP Software, 415/599-2704). This text retrieval desk accessory finds files, and text within files, quickly and easily.

In addition to all the new hardware and software, computer-related book publishers were busy this year. My favorites include:

THE MACINTOSH BIBLE, FOURTH EDITION

By Arthur Naiman, Nancy E. Dunn, Susan McCallister, John Kadyk, ***Peachpit Press***

Since the first edition, *The Macintosh Bible* has been a required book for all Mac users, particularly new users. Arthur Naiman has created one of the few computer books that is both informative and readable. As *The Mac Bible* has grown (it's currently just over 1200 pages), Naiman, along with "Nancy E. Dunn, Susan McCallister, John Kadyk, and a cast of thousands," continues to maintain a high level of quality.

ECOLINKING: EVERYONE'S GUIDE TO ONLINE ENVIRONMENTAL INFORMATION

By Don Ritter, ***Peachpit Press***

The growth of telecommunications is accelerating, and there is an increasing market for books aimed at specific groups as well as a general computer user audience. Although this book is focused for a specific audience—environmental activists—much of the information Ritter discusses is useful for a general telecommunications user. It is well written and organized, and clearly presents a number of important points.

However, it isn't really a guide for everyone. Experienced activists entering the age of computers and telecommunications will find sections of this new and necessary information confusing, and some of the information not particularly important. However, activists who understand networks, BBSes, and the variety of online services will find this book helpful for drawing a better understanding of the big picture, and may well be motivated to further utilize these resources in their work.

CYBERARTS: EXPLORING ART & TECHNOLOGY

Edited by Linda Jacobson, ***Miller Freeman, Inc.***

Not exactly a computer book—very interesting and challenging.

Building on her work as one of the organizers of the first and second CyberArts International Conference and Exhibition, Linda Jacobson has edited a book that's more than yet another coffee table book about the conference. Rather the book, with articles by many of the artists/participants, explores the issues and work being done in the art and technology field called CyberArts.

REAL STORY SERIES

Odonian Press

With *The Macintosh Bible* and other Mac Bible titles being published and distributed by Peachpit Press, this group of editors has embarked on a new publishing venture—The Real Story Series. This series, published by Odonian Press, currently offers four titles, continuing Arthur Naiman's standards for presenting ciritcal information in an accessible and compelling format.

These books are predominately about this country, with the notable exception of an excellent book on Burma (*Burma: The Next Killing Fields?* by Alan Clements). They range from a collection of several essays by Gore Vidal to a look at *Who Killed JFK?* by Carl Oglesby. These books are short (less than 100 pages) inexpensive ($5), and continue *The Macintosh Bible*'s tradition of making complex subjects interesting and readable. (Odonian Press, 1-800-365-3453)

THE MAN WHO KNEW INFINITY: A LIFE OF THE GENIUS RAMANUJAN

By Robert Kanigel, ***Scribners***

This book tells the fascinating story of Ramanujan, a self-taught genius theoretical mathematician who died in 1920. Although he never completed his university studies in colonial India, he went on to study with G.H. Hardy at Trinity College in England.

There are many reasons to find this book interesting. Ramanujan's single-minded dedication to theoretical mathematics transformed his science into an art form. The book is a fascinating story of a seminal mathematician, but also a story about the British scientific community in the early twentieth century, as well as a view of social and cultural life in Britain and colonial India during this time.

Ramanujan's work is also related to computers. For instance, the author points out that "Ramanujan's work would provide the basis for the fastest-known algorithm, or step-by-step method, for determining pi by computer."

JIM WARREN

BACKGROUND & BIASES DECLARED

I've become a Mac zealot—driven to that minority platform by its powerful productivity tools and mature, palatable user interface, uniform across most applications. Easy to learn; easy to use.

Before that were several PC years. I still have two DOS/Windows ma-

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486 - 25 SX

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- Δ 4MB RAM
- Δ 1.2MB FD
- Δ 1.44MB FD
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- Δ IDE CONTROLLER
- Δ 1024 X 768 SVGA W/1M
- Δ 14" 1024 X 768 SVGA MONITOR (.28 DP)
- Δ MINI TOWER w/230W PS
- Δ 101 ENHANCED KEYBOARD

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486 - 33 DX

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- Δ 4MB RAM
- Δ 1.2MB FD
- Δ 1.44MB FD
- Δ 120MB IDE HD
- Δ IDE CONTROLLER
- Δ 2 S/1 P/1 G
- Δ 1024 X 768 HI-COLOR SVGA CARD w/1M
- Δ 14" 1024 X 768 NI-SVGA MONITOR (.28 DP)
- Δ MID TOWER w/230W PS
- Δ 101 ENHANCED KEYBOARD

486 - 50 DX

- Δ 80486DX-50 CPU
- Δ 256K CACHE
- Δ 4MB RAM
- Δ 1.2MB FD
- Δ 1.44MB FD
- Δ 210MB IDE HD
- Δ IDE CONTROLLER 2 S/1 P/1 G
- Δ 1024 X 768 HI-COLOR SVGA CARD w/1M
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chines, gathering dust between sneers-when-passing and snarls-when-used.

The mid-'70s to mid-'80s was spent homebrewing applications on some S100 micro-based time-sharing systems. These had software much more powerful than current-day DOS using hardware much less powerful than PCs. *Tsk!*

And, for most of a decade beginning in 1968, before becoming a "well-known industry leader" (i.e. opinionated gadfly), I made an *honest* living—programming minis in real-time applications, plus several sojourns on monster mainframes.

Thus, I speak from almost a quarter century's (mostly obsolete) experience. (Age does not guarantee wisdom, but it *does* give perspective.)

MACS & PCS

One pays upfront for slightly higher-priced Mac hardware, or pays and pays thereafter in steep learning curves for each new application and ill-integrated diverse applications. But the thousands of PC applications exceed the thousands of Mac applications—for those using thousands of applications. And PC laptops are cheaper and offer more hardware alternatives than PowerBooks—so far.

Mac is great when Mac applications exist that meet the user's needs. But coding personalized Mac programs is massively nontrivial—perhaps approaching the difficulty of programming Windows applications.

DOS is incredibly brain damaged and underpowered compared to PC hardware capabilities. However, its primitive character makes programming applications for text and binary data much easier than under Mac or Windows.

Windows and Mac programming difficulty is inherent in graphical user interfaces (GUIs). Object-oriented programming tools aid in GUI programming but require a very different mindset than programming in Fortran, BASIC, Cobol, assembler or pre-'90s Pascal or C.

Mac programming: Symantec's **Think C** and **Think Pascal** are absolutely the most outstanding programming systems I have ever used—partly due to excellent use of the Mac's superior user interface. Think-things are not just compilers; they are beautifully integrated compilers, debuggers, tracers, optimizers and formatters. Further, their integration with the Mac operating system and GUI greatly assists dealing with those complex systems. Both have robust object-oriented tools, built-in. Finally, their **Think Reference** is an outstanding programmer's support tool, a pull-down electronic reference source for the Mac's massive complexities. Symantec (408)253-9600.

PC programming: When programming a PC, I use the current version of Borland's **Turbo C**, **Turbo Pascal** or **Turbo Assembler**—the latter for moments of macho machine-level masochism. From the beginning, these have always been excellent coding tools and well-integrated programming environments. They now include potent object-oriented tools. And Borland's programs have always been priced amazingly low—helps limit greed by Redmond's 800-pound gorilla (Microsoft). Also noteworthy, Borland's financial and talent resources go into product support and enhancement, rather than endless Lotus-like litigation. Borland (408)438-8400.

> "One pays upfront for slightly higher-priced Mac hardware, or pays and pays thereafter in steep learning curves for each new application and ill-integrated diverse applications."

Other PC-only software: (also see cross-platform software, later) I'm reasonably hooked on Borland—**Paradox 4.0** for hardcore database work (DOS only, now; Windows "real soon") and **dBase IV** (DOS only) for antiquity-compatible databases. **Quattro Pro** is my PC spreadsheet of choice (DOS and Windows). (I won't use Lotus products nor otherwise support their wealthy-thug's look-'n'-feel litigation/oppression—especially when Quattro Pro's as good or better than 1-2-3.)

DataStorm Technologies' **Procomm Plus** remains one of my favorite PC data communications programs, and their **HotWire** kit is especially handy for direct, hardwired communications and transfers between computers. (DataStorm, 314/443-3282)

CLOUDY WINDOWS

I expect that in another few years, the Windows interface on PCs will be almost as robust and perhaps as reliable as the Mac interface was a few years ago. And perhaps someday, most PC applications will standardize on the user commands for major functions—e.g., insert, delete, copy, etc.—as has always been true for the Mac.

CROSS-PLATFORM SOFTWARE

I favor software that performs more or less the same on at least Macs and PCs (and maybe on NeXT machines, Unix boxes, palmtops...). Ain't no sense in learning alien applications for the same functions on different computers. Cross-platform examples include Microsoft's **Excel** spreadsheet system, Autodesk's **AutoCAD** (but I'm biased; I'm on Autodesk's Board), and at least the following:

Microsoft's **Word** has a powerful feature I've longed for in numerous other systems: The user can redefine the keyboard controls for most of its massive command-set. Among other things, it's invaluable when alternating between an extended-keyboard desktop Mac and a limited-keyboard PowerBook. (Microsoft, 800/426-9400)

Every application program *should* allow the user to configure its controls to the user's desires—doing much to resolve the infuriating PC problem of similar functions having entirely different keyboard commands in different applications.

Software Ventures' **MicroPhone** has long been my data communications program-of-choice on the Mac. Powerful, usable, strong scripting/customizing features; now available for Windows. (Software Ventures, 415/644-3232)

Fox Software's **FoxPro** (PC) and **FoxBase** (Mac) permit almost compatible cross-platform databases—a dBASE-compatible speed demon. I'm am looking forward to the long awaited **FoxPro** for the Mac. (Fox/Microsoft, 206/882-8080)

Geographic information systems (GIS) is a major '90s growth area, integrating graphics and data—census, real estate, customers, transportation, hand-held global positioning systems (satellite-based GPS), etc. Strategic Mapping's **Atlas Pro** (Mac) and **Atlas GIS** (PC) provide powerful, mostly compatible geographic information tools. (Strategic Mapping, 408/985-7400)

For publication-quality, arbitrarily complex typography and images, I prefer Adobe Systems' **PostScript** language and **Adobe Type Manager** (ATM). It's the default global standard for size-independent outline-font typography, with continuing enhancements—fax, multimedia, etc. As long as they maintain a mostly open software platform, why bother with late arriving, also ran TrueType? (It would be nice, however, if word processors and desktop publishing software would automatically switch to Adobe's *customized* faces—italic, bold, bold-italic—within a font-family when commanded to do so, rather than generating them by PostScript algorithm from the base face, but that's for the WP and DTP publishers to implement.) (Adobe, 415/961-4400)

(Aside: Before Adobe announced PostScript, I was at a technoid meeting that included Brian Reid, one of the not-yet-known Adobe mob. Brian tried to tell me about PostScript—somewhat hampered by constraints on disclosing R&D in progress. Instant Opinion Warren, here, snottily sneered at the notion; not worth doing, sez I. *Boy!* – was I wrong! Public apology herewith proffered to Brian *et al.*)

And finally, is there anyone who *doesn't* use Berkeley Systems' **After Dark** screen saver (Macs and PCs)? Neat product; decent price; nice add-ons. And, their space-war variant called Lunatic Fringe is addictive—though it'd be nice if didn't disappear when overly energetic button pounding in the heat of battle causes PowerBook's trackball to twitch. Berkeley Systems, 510/540-5535

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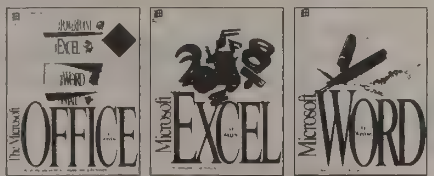

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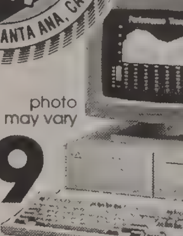

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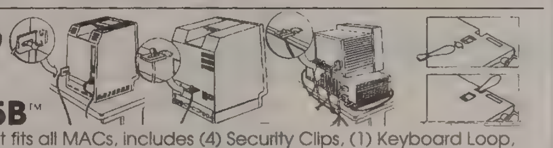

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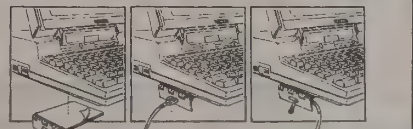

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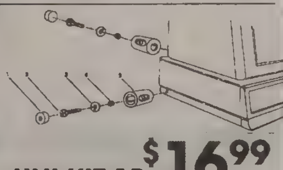

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glitches. Backing up onto almost any medium (diskettes, tapes, MOs, etc.), it facilitates scriptable, automated local, Localtalk and network backup, file recovery and disk-contents reconstruction—though its scripting is not for the novice user. I've also found their technical support unusually responsive, patient and knowledgeable. (Dantz, 510/849-0293)

For arbitrarily complex, arbitrarily large Mac database management system (DBMS), Acius' **4th Dimension** provides a powerful though un-cheap relational system. No robust DBMS is simple, but 4D is unusually "easy" to program and use. Also has lots of 3rd party add-ons. (Acius, 408/252-4444)

For more straightforward, moderate-sized datafiles, I use ProVUE Development's **Panorama II**. Inexpensive; lots of add-ons; easy to learn, program, modify and use. (ProVUE, 714/892-8199)

I use Kiwi Software's **PowerMenus** constantly—pull-down submenus of submenus of menus without limit (requires System 7). With a disk alias in the Apple menu, one can pull-down to open any folder, subfolder or application. Neat, customizable. (Kiwi Software, 805/685-4031)

HARDWARE

I continue to get most hardware—DAT drives, DAT tape, hard disks, etc.—from Alliance Peripheral Systems (APS). *Very* competitive pricing; *very* reliable and trustworthy; responsive and knowledgeable, toll-free tech support. (APS, 800/233-7550)

After hearing numerous complaints, I carefully avoided Apple's fax-modem for the PowerBook, choosing instead a **PowerPort Gold** fax-modem from Global Village. I've used another fax-modem on the desktop Mac for several years, but gave up on the fax option due to slow file-to-fax conversion, inconvenient Chooser-switch commands, limited fax directories, etc.. In contrast, the PowerPort's a delight. Pressing the Option key converts from print to fax output. The fax directory, transmission, reception and printing tools are comprehensive and easy to use. And the data-modem was a real surprise:

I've long wanted to dial-in to my online and email at 9600 baud, but was never able to get over 2400-baud—even using matching Telebit modems. Everyone blamed funky rural phone lines. But the PowerPort runs just fine at 9600-baud for the same connections, and the Gold offers 14.4KB for the future. (Global Village, 415/390-8200)

Also, spend the extra bux to get a Gold, rather than the less capable Silver or Bronze models. The lower priced pair work okay, but the world's movin' to the greater capabilities; short-term saving guarantees long-term limitations.

I wanted to upgrade an early Mac LC from a 68020 sans math-chip to a 68030 with math-chip. DayStar's **Equalizer LC** worked great! Inexpensive; about two minutes' trivial installation; easily upgradable to a whole range of accelerators. I've forgotten about it since then—hardware's highest commendation. (DayStar, 404/967-2077)

ONLINE SERVICES

You're online, or you're disconnected—self-inflicted, rapidly increasing incapability. Admittedly, online access to the Internet—the best, most robust and most diverse information and discussion medium—invariably requires using various Interfaces From Hell—communications programs that are almost as bad as most DOS programs.

I'm sure I'll again login to CompuServe (800/848-8199) and America Online (800/827-6364) when I find time—though I probably won't bother with Plodigy or GEnie. But, most of my online time is to or through the Whole Earth 'Lectronic Link, the **WELL** (415/332-4335 voice, 415/332-6106 modem). Several thousand *active* users; amazing diversity and depth of content; robust spectrum of unfettered discussions; fully connected to the Internet (Usenet, FTP, telnet, etc.). Not the cheapest service around, but the discussions are powerful.

If I "only" wanted access to the Internet, Usenet, global email, and numerous other network services, I'd be hard pressed to choose between Portal (Cupertino, 408/973-9111) and Netcom (San Jose, 408/554-8649). Ask if they have a POP (point of presence) near you for local dial-up.

PRIMO REFERENCES

For the exploding world of wide-area networking (WAN): *Zen and the Art of the Internet* (Brendan Kehoe, Prentice Hall) is an outstanding tutorial about the huge, invaluable, cooperative anarchy known as the Internet that serves millions. It's 112 pages, eminently readable by any intelligent lay person; excellent survey and overview of this potent global communication and information system.

WAN's bible is, *The Matrix: Computer Networking and Conferencing Systems Worldwide.* (John Quarterman, from both Digital Press and Prentice Hall.) 719 pages about the capabilities, services and thousands of specific networks.

For **Mac books**, Addison-Wesley (800/447-2226) and Peachpit Press (800/283-9444) are my "first sources." A-W's been the official publisher for most of Apple's Macintosh tutorial and technical books; maintaining unusually excellent technical quality. Peachpit publishes many of the best and most concise reference works about the Mac, beyond "official" Apple/Mac references. These two publishers complement and supplement each other; catalogs available.

For **PC and Borland books,** I first turn to Osborne/McGraw-Hill (415/549-6610). They have been Borland's official publisher for a number of unusually well-done tutorials and references, and have been focused on high-quality microcomputer books ever since they were founded in the mid-'70s; one of microcomputing's first publishers.

JOHN WOLCOTT

BEST OF 1992

It's not exactly a product, but the single best development for 1992 is the staggering drop in computer hardware pricing. Whether due to clone competition, a recessed economy, or higher technology pushing down prices of powerful, but not "top of the line" components, the computer industry has put amazing technology within the grasp of computer users at large. Devices that were previously unthinkable because of cost or complexity of use are now affordable and user friendly enough to be commonplace.

What specific products are tops for your IBM PC/AT or clone? At the top of my list are **Cursor Deluxe Plus**, a cursor design package, the **Telebit WorldBlazer** modem, and the **Pro Audio Spectrum 16** sound card.

With Cursor Deluxe Plus, there's no more cursor search on your laptop or notebook computer. In an electronics store in Oakland, I happened upon a notebook computer that had a stunningly noticeable mouse cursor: a large arrow, flashing between black and white. I had to have it. The salesman directed me to the software department and the Cursor Deluxe Plus package.

This software package allows selection of a mouse cursor from a cursor library or custom design (even animation!). Following the Windows mouse screen cursor is no longer a chore. Of course, this is also a very entertaining package for your desktop computer. Cursor Deluxe Plus Cursor Designer is produced by MicroSpeed, Inc., (510) 490-1403

The Telebit WorldBlazer modem effortlessly "screams" through communication, offering effective transmission rates from 300 through 38,400 baud. Higher speeds can be achieved when transmitting data without use of "the twisted pair" (your phone line). The frequency handling and memory capabilities for error-free communication are unequaled in the industry. The WorldBlazer is from Telebit Corporation, 1-800-TELEBIT.

The Pro Audio Spectrum 16 sound card offers data sampling rates and channel separation that will astound you. Features abound: true 16-bit stereo sound, a 20-voice stereo synthesizer, and a MIDI interface. It is compatible with AdLib, Thunder Board, and Sound Blaster driven software. It allows input from a wide range of devices and has on-screen Windows controls for sampling rate, balance, treble and base, loudness, muting, and device input levels.

The card also features a SCSI port (very convenient for your CD-ROM), input jacks for a microphone, and external audio input from a device such as your stereo CD player. Software included allows the sound card to audibly "read" text from a text file or the screen and customize recorded sound files that effectively make a sound studio out of your PC. The only drawback I experienced was a lack of expertise exhibited by their technical support personnel. The Pro Audio Spectrum 16 is produced by Media Vision, 1-800-845-5870

YACCO

Tutankhamon's XL 1500 long-distance Ethernet repeaters and single-UTP hubs deserve accolades for their innovative ability to squeeze the performance of Ethernet into a single twisted pair. In fact they do more and go farther, on plain DIW. (Tutankhamon, 510/682-6510)

This is the year of the active-matrix color notebook. There are several of them now, but the first machine in the category was the **NEC SL/25C**, and it deserves kudos on a second count as well. I give NEC credit for bringing prices down to a point where more than just a few users can afford to actually work with the best color technology.

Do I have a favorite portable computer? Emphatically, yes, and it's a subnotebook. At under three pounds, the **Gateway2000 HandBook** can give me a thrill wherever I happen to be. It's got a 40MB 2-inch hard disk, bright backlighting, and a keyboard large enough for real typing. There's even a pair of <Alt> and <Ctrl> keys on either side of the spacebar. Unsurpassed power management and ergonomics (for a machine this small), make up for its lack of zip, but watch out next year, Gateway2000. I'm going to expect more pep then, along with a PCMCIA 2.0 slot. (I predict that **PCMCIA** technology will reach the top of this list by mid 1993.)

If you need to do much more than word processing and other lightweight tasks, the **Avanti 486** gets my vote as sexiest notebook powerhouse. Now that Micronics is out of the game with its DX processors and incredibly fast hard disks, BCC's more modest hummer can easily dodge its draft. But it's not bush league. The Avanti excels with great looks, a sticky coating that foils fumble fingers, and a superbly designed A-frame display that opens on a tray table as wide as a pair of Texas-sized ears. Quite a feat for such a little guy. It's packed with functionality too: A 25MHz. Cyrix 486SLC with math chip, a fax-modem, a decent hard disk, and enough memory to really run Windows are all standard.

Iomega blows me away. The **Bernoulli 90 Pro** is the best drive they've ever made, and the company's figured out how to make it for less than the old one. They even got an award for efficient manufacturing. The parallel-port connected Transportable version has peerless compatibility and spectacular performance. Bernoulli finesses the details just the way you like them: great documentation, customer support, and useful software.

Windows is again one of the big software winners. This time it's for **Windows 3.1** with Multimedia Extensions, TrueType fonts, OLE, and a host of other improvements too numerous to mention in a single breath. Once upon a time, this spot might have belonged to OS/2 2.0.

QuickTime. Apple continues to stay ahead of Windows (and consequently the PC) by leading with technology like this. I can only wonder what Cupertino will come up with next year.

TrueType. Ditto. (See QuickTime.) TrueType has been around for a while as a technology, but the products that came out this last year bowled the competition over. In fact, one product may have even bowled itself over. I've heard from insiders at Microsoft that the company may abandon its read-write embedded TrueType fonts. Too much of a stink from Monotype, Microsoft's font foundry, I'll bet. One winner that will still have them: **Softkey's Key Fonts for Windows.** One hundred read-write embeddable TrueType fonts for under $50.

Until this year, map software was useful stuff for planning delivery routes, but pretty damned boring if not downright hard to use. Axxis Software has raised the ante with the **Zagat-Axxis CityGuide.** It's a Windows application with good graphics and a competent interface. The maps are detailed and easy to navigate, and the program computes routes as cleverly as anyone. What sets CityGuide apart is the inclusion of the Zagat database. It's full of recommendations and statistics that will help you pick hotels and restaurants in a strange city, or simply lead you to new haunts in your home town. Excellent.

[Last-minute note: I returned from an out-of-town conference to find a lengthy and frantic message on my answering machine. It was Yacco. It seems that he had neglected to include MicroPhone for Windows on his list because, at the time he made the list, it wasn't shipping. But the beta was so good, etc., etc.... So add another vote for what appears to be, in its assorted flavors, the telecomm product of the year, at least in this bunch's opinion...—ME]

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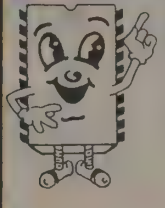

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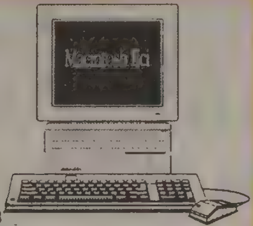

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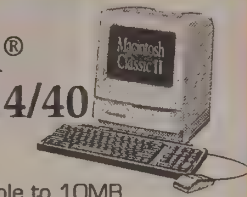

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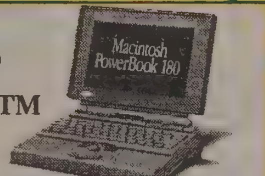

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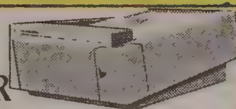

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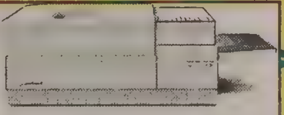

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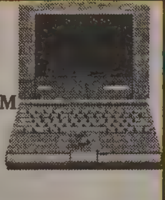

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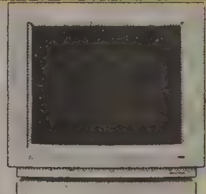

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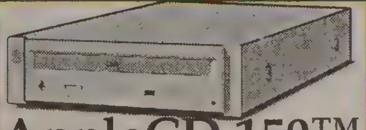

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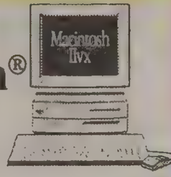

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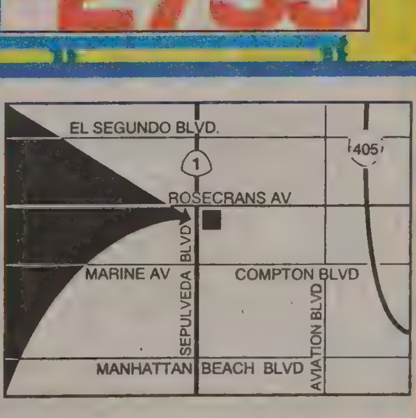

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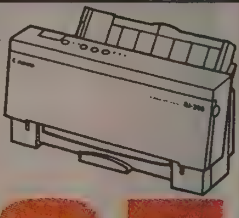

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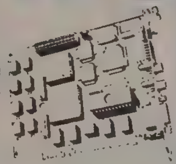

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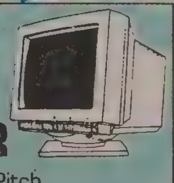

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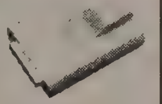

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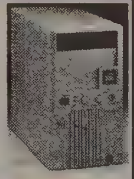

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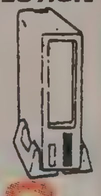

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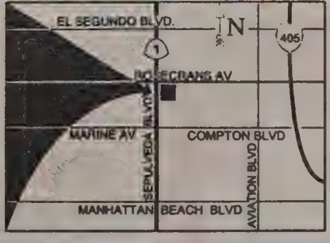

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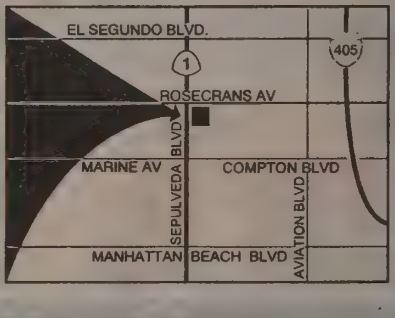

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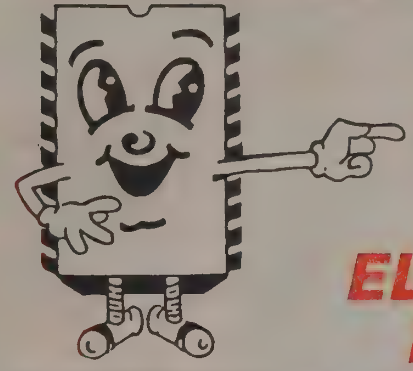

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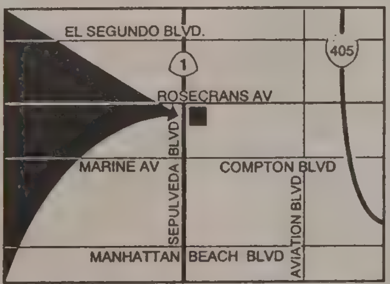

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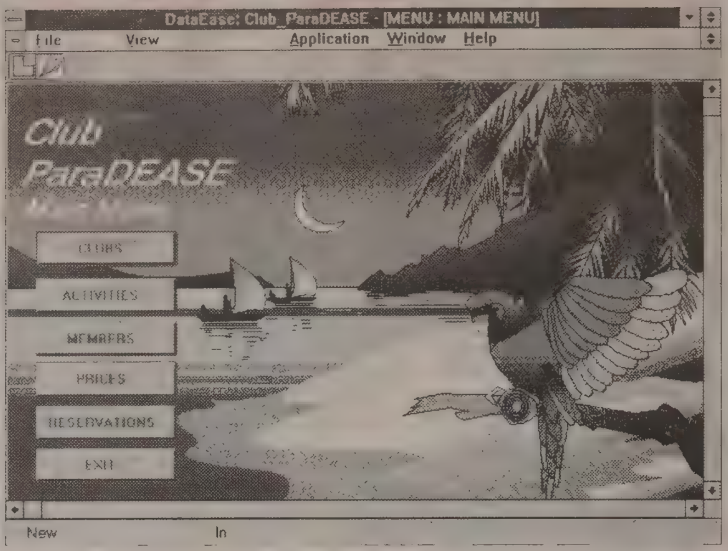

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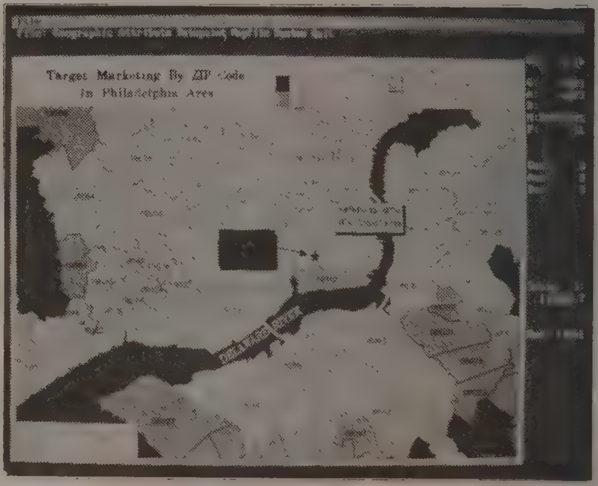
ATLAS GIS



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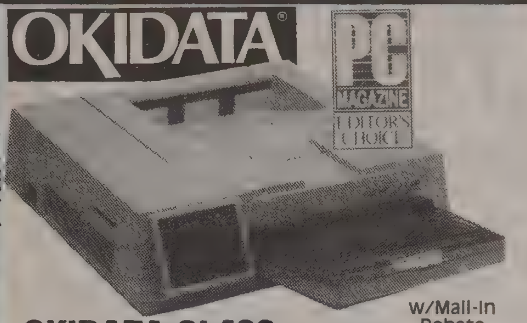

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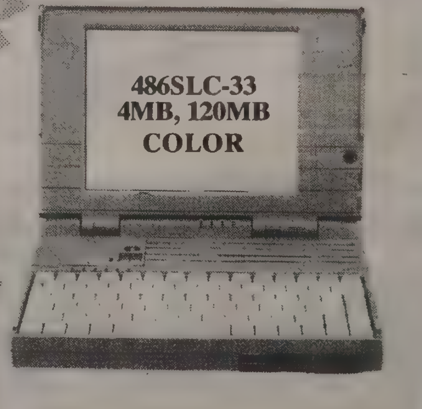

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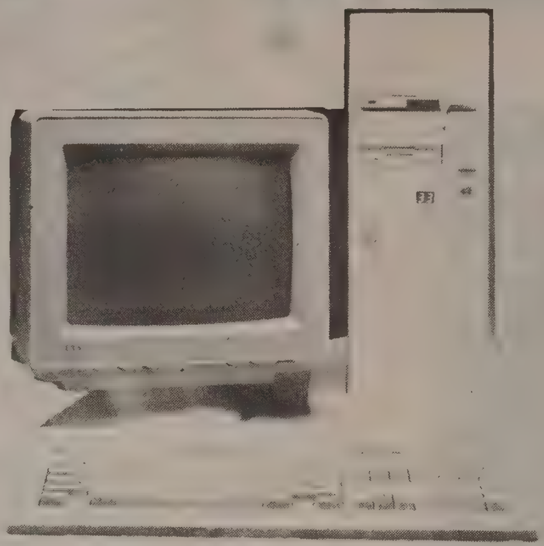

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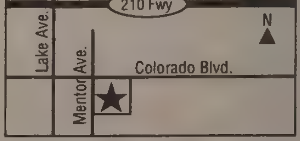

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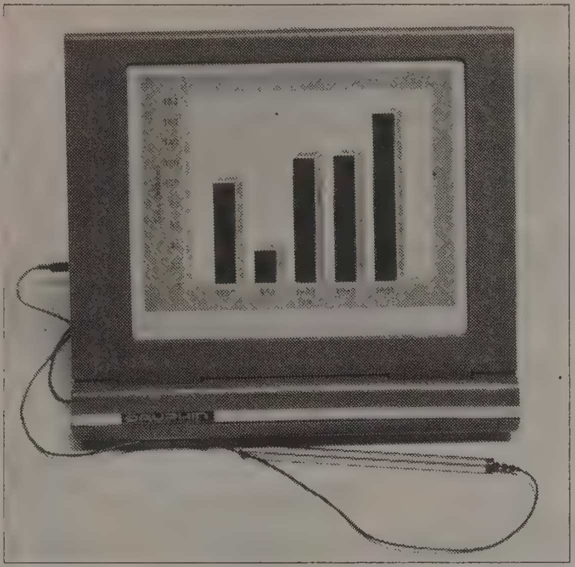
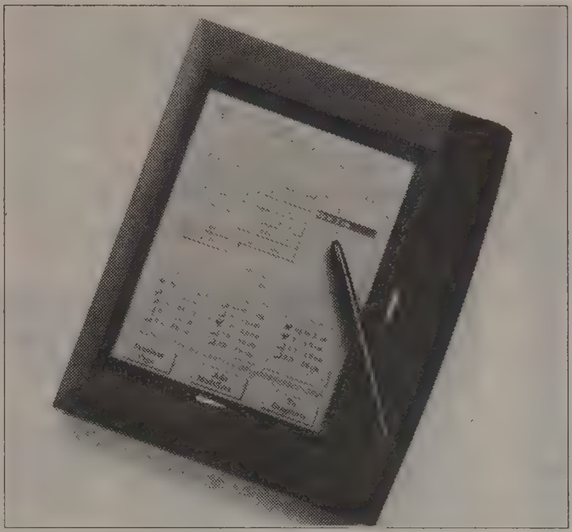


The Dauphin 5500 Color Pentop features a passive-matrix color VGA screen with a resolution of 640 x 480 with 256-colors. Similar to Dauphin's monochrome version of the system, the 5500 uses an Intel 386SL microprocessor running at 25MHz with 4MB of RAM, expandable to 20MB, and an 80, 130 or 200MB hard disk drive. It also includes an internal, high-density, 3.5" floppy disk drive. A PCMCIA slot in place of the floppy drive is an option. Ports include serial, parallel, external floppy drive, and an external monitor port for simultaneous SVGA display. The Dauphin 5500 functions as a sophisticated pen tablet. Flip the screen, attach a small external keyboard and the 5500 becomes a powerful color notebook. Dauphin, Inc., 1125 E. St. Charles Rd., Lombard, IL 60148. (708)627-4004.



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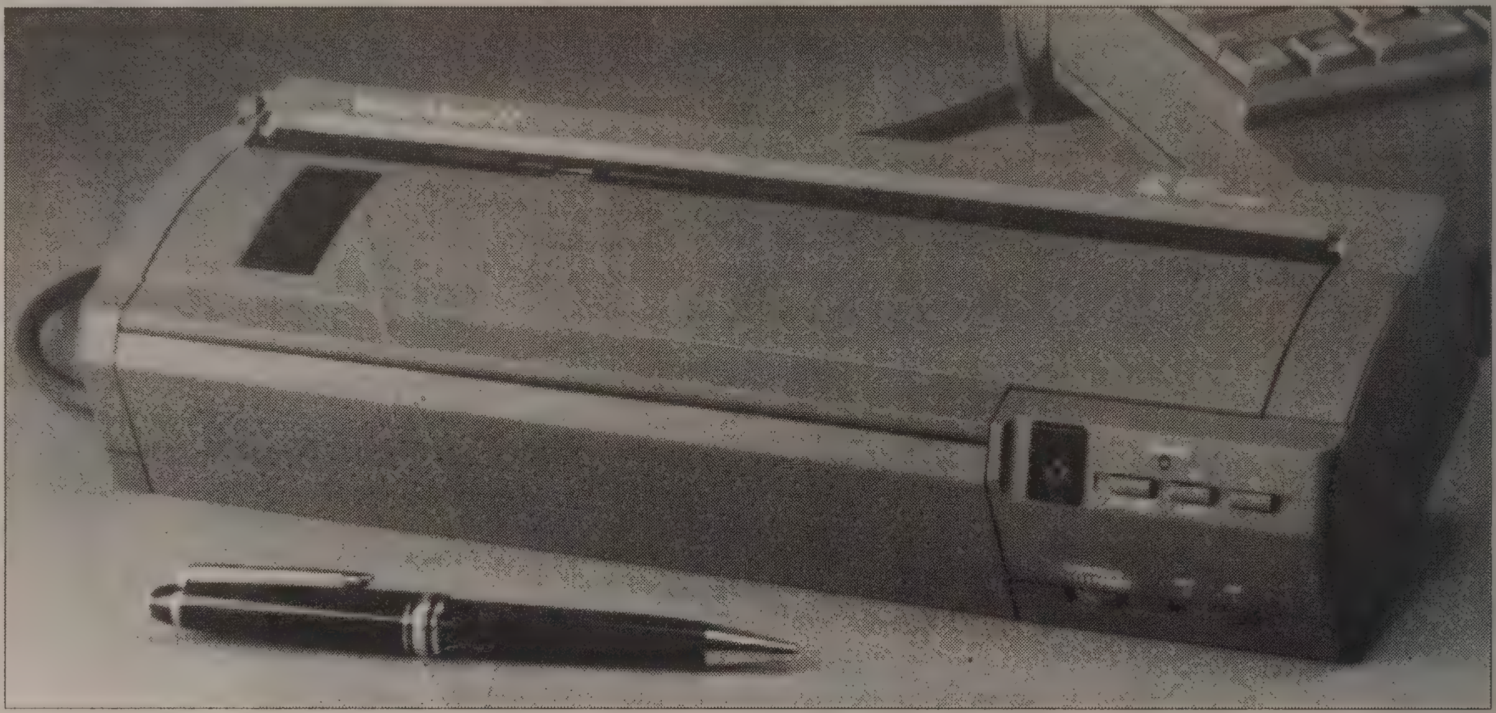

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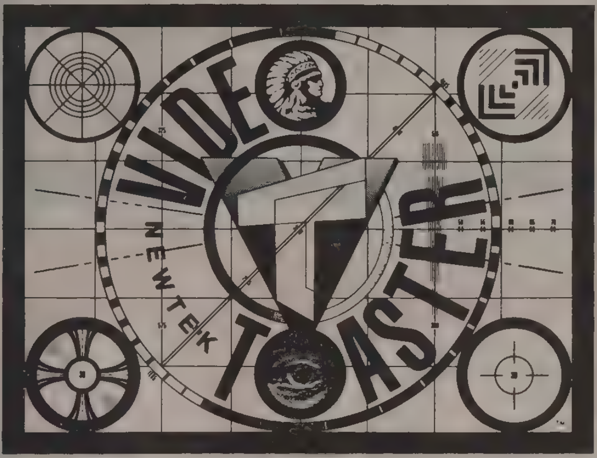

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December 1, 1992

Seasons Greetings & Merry Christmas *to all the computer graphics users out there! We have a few new items to tell you about this month, including a new release of Animator Pro 1.3. This new package includes a CD Rom loaded with animations and many advance tools. The upgrade price from AniPro 1.0 is $195 and the upgrade price from the original Animator Explorer is $295. We have purchased the best Digitizer Value in many years; it's a 12 x 17 GTCO Digitizer with 16 button cursor for $319 and it includes FREE a custom 12 x 17 Autocad Template! Also this month we will bundle FREE Tempra Pro/Show for all Targa+ sales ($695 Targa+ Version).*

We are still working on the new office and should have our training schedules for 1993 worked out by mid December. There have been many requests for the new 3D Studio Videotape of computer animation. They are now available at $9 each.

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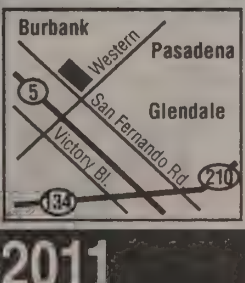

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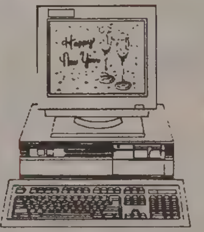

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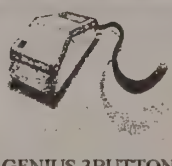

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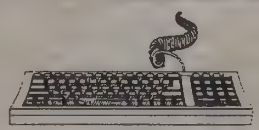

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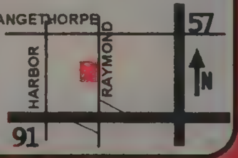

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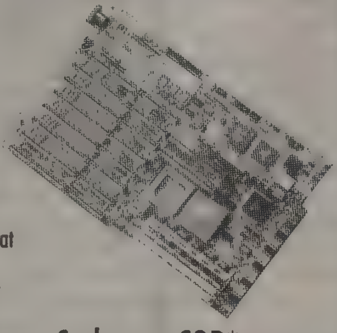

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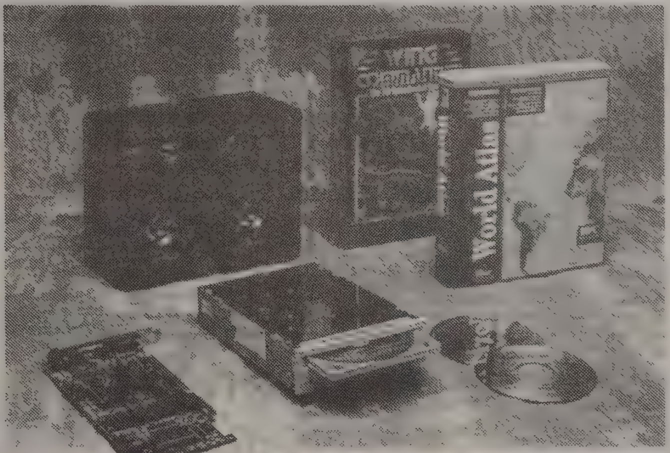

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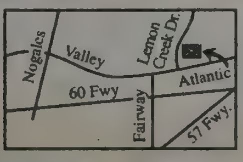

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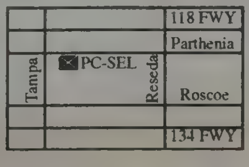

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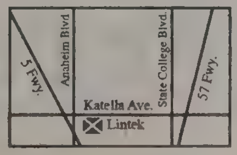

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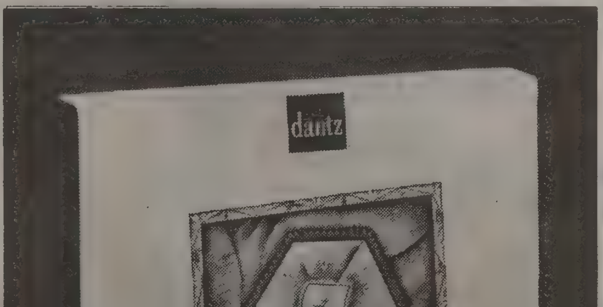

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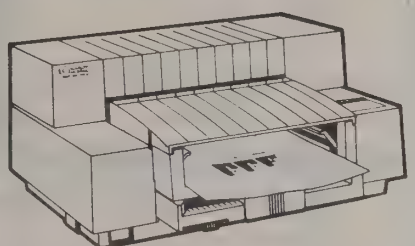

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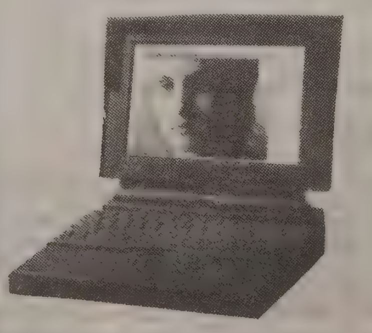

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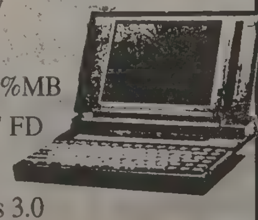

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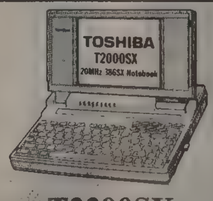

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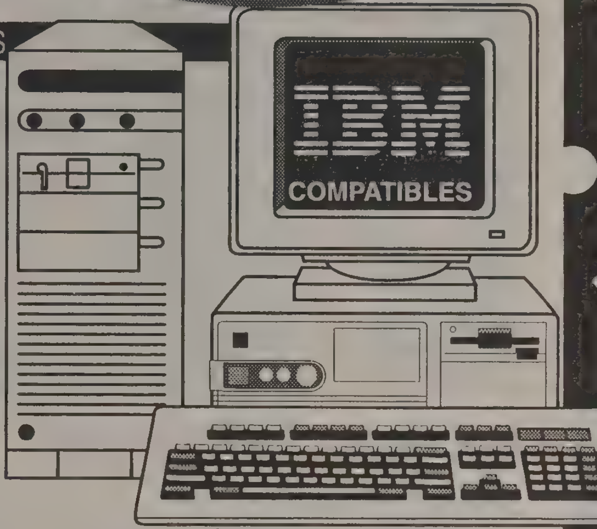

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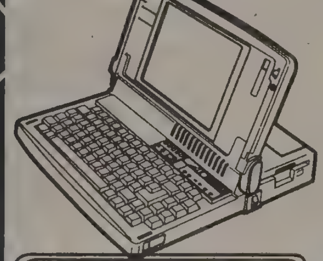

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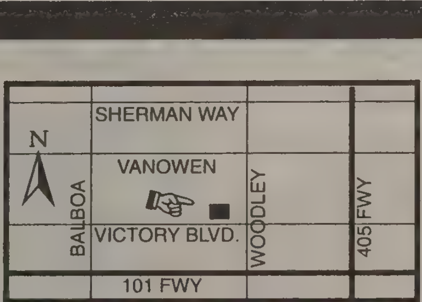

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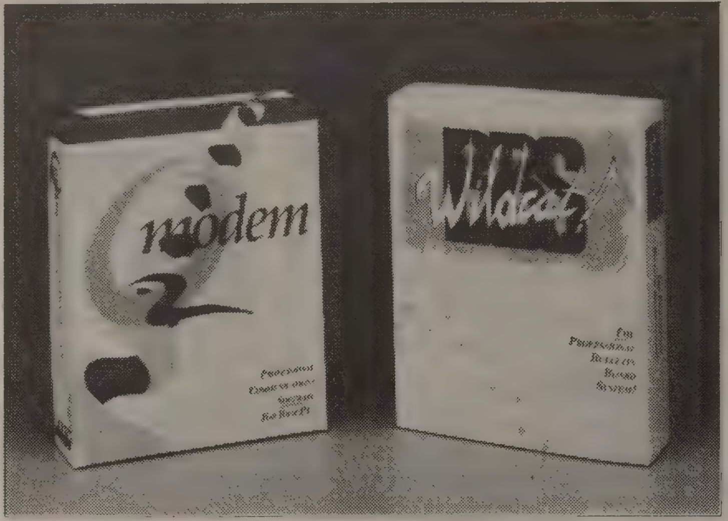

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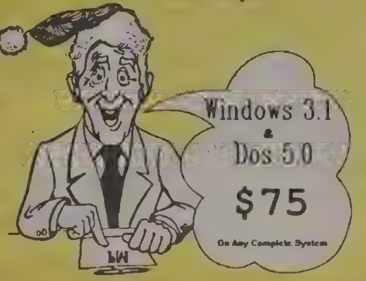

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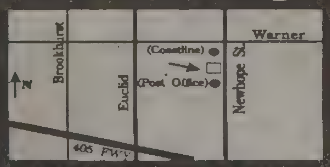

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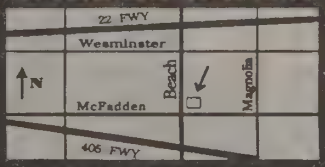

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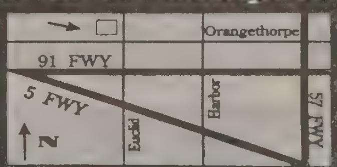

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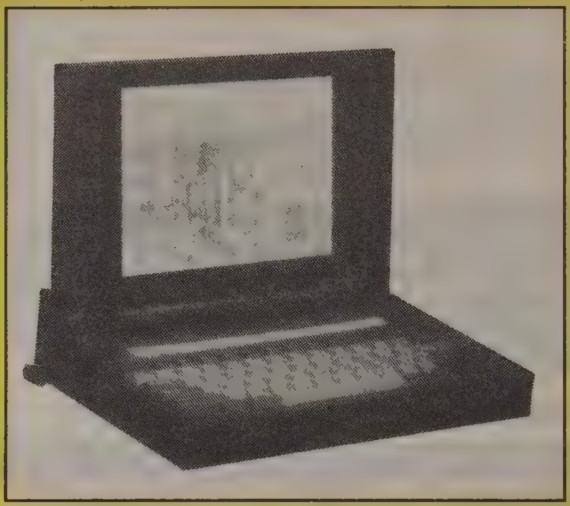

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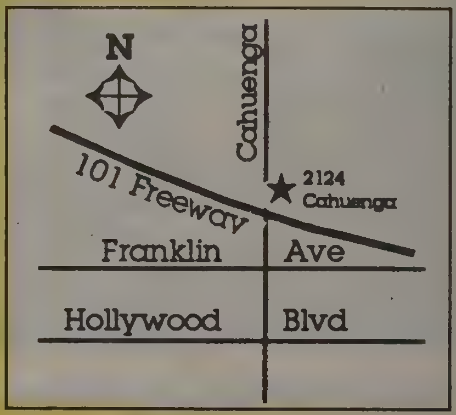

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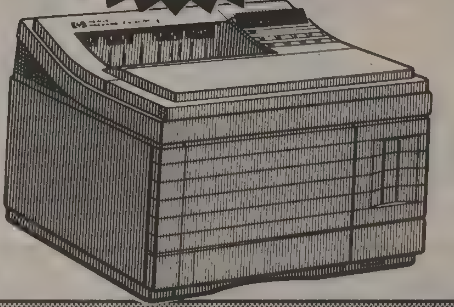

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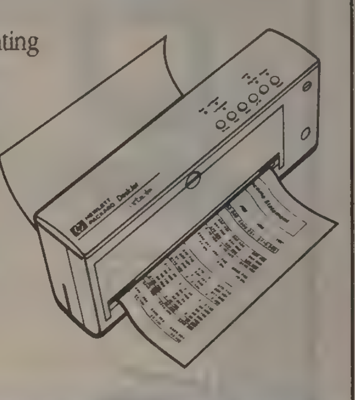

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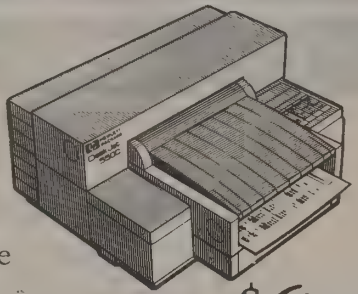

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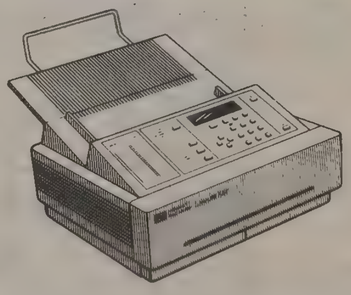

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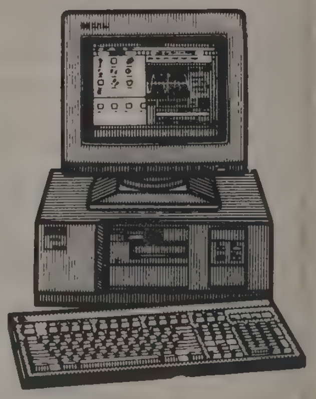

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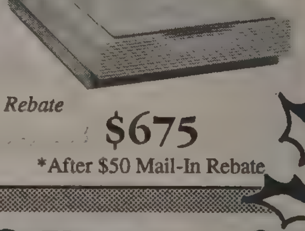

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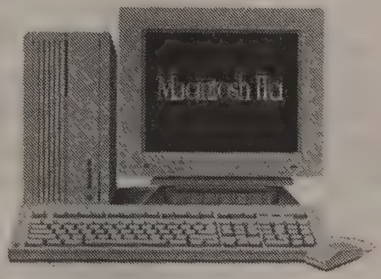

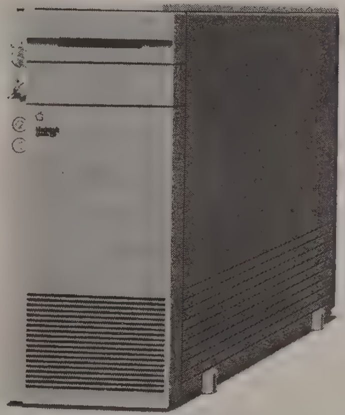

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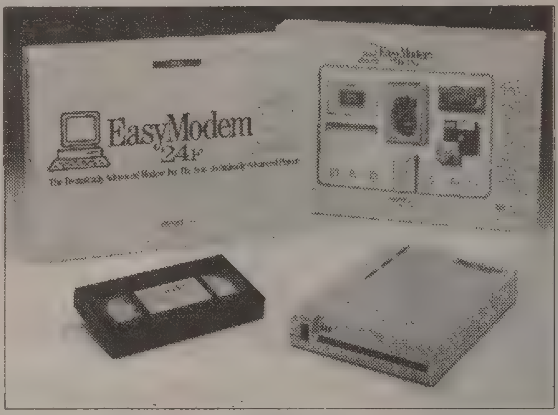

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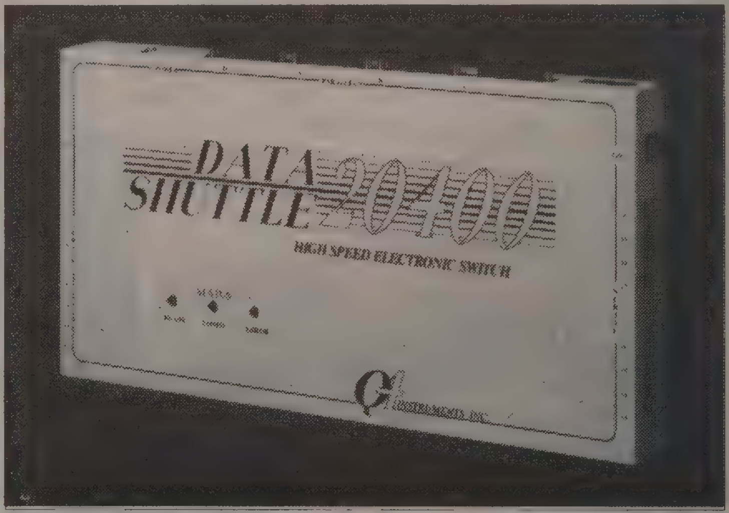

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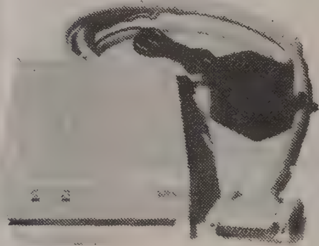

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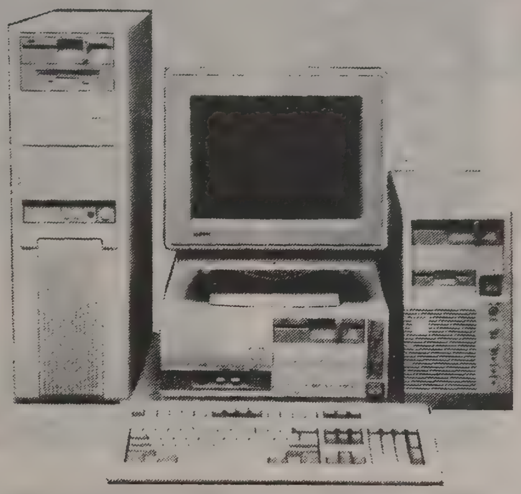

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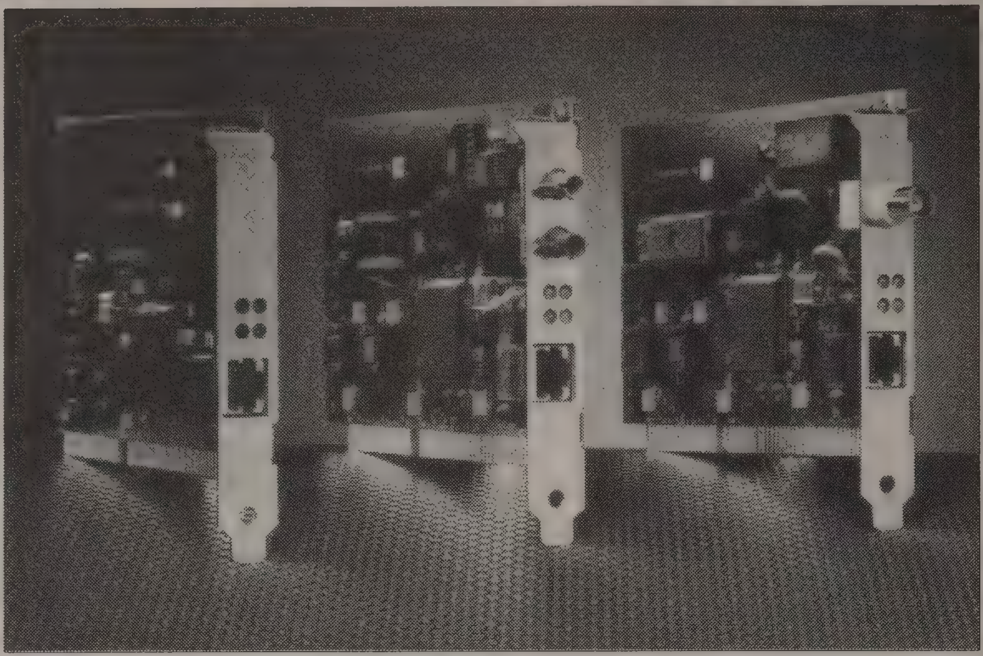

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Allied Telesis offers a line of PC/AT 16-bit Ethernet network interface cards that supports all media options. The 1500 family's three cards support a high-performance DMA Bus Master architecture, while the three 1700 cards have a memory-efficient 32Kb shared memory architecture. Each adapter card features four LED indicators that are visible after installation. The drivers for these cards seamlessly interface with all popular LAN operating systems including Novell NetWare (286, 386, Lite), OS/2 LAN Manager, Microsoft Windows, and TCP/IP connectivity. All the cards are backed by a lifetime warranty and full Novell NetWare and Microsoft certifications. (Prices range from $99.95 to $299) Allied Telesis, Inc., 575 E. Middlefield Rd., Mountain View, CA 94043. (206)889-3152.

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The ESP1 is a universal print server compatible with PC, Macintosh, DEC, UNIX, and other computers. LAN users can use the same Ethernet print server whether they are attaching their printers to networks using Novell's NetWare, AppleTalk, TCP/IP, or LAT protocol—or all of them simultaneously. The EPS1 Print Server makes it easier for users to change their networks, add new network protocols, or move printers from one network to another. The EPS1 includes both a Centronics-compatible parallel port and an RS423/RS232 serial port on the printer side, and both 15-pin AUI and RJ45 10BaseT connectors on the network side. Printers attached through the serial and parallel ports can be active simultaneously and optional transceivers are offered for connection to 10Base2 or 10Base5 networks. ($695) Lantronix, Inc., (714)367-0050.

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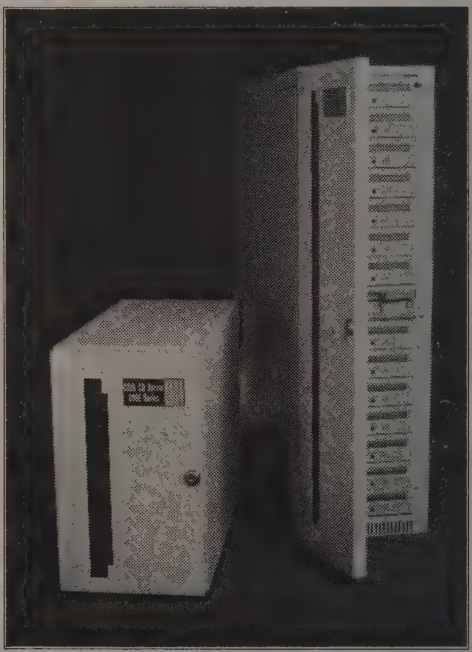

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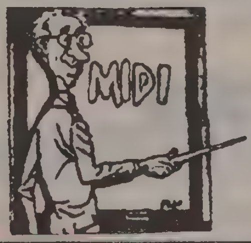

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The PocketPrintServer allows Novell NetWare 286/386 users the ability to connect any parallel printer easily to the network, making the printer a shared resource. It also allows users to locate the printer anywhere on the network instead of attaching it directly to the file server. This means the server can be kept in a secure location and the printer located close to users to ensure confidentiality of printed documents. The PocketPrintServer supports up to eight file servers and thirty-two print queues on a single unit. If a file server goes down or loses power, the PocketPrintServer automatically reestablishes communication when power returns. ($495) Extended Systems Corp., 6123 N. Meeker Ave., Boisie, ID 83704. 1-800-235-7675.

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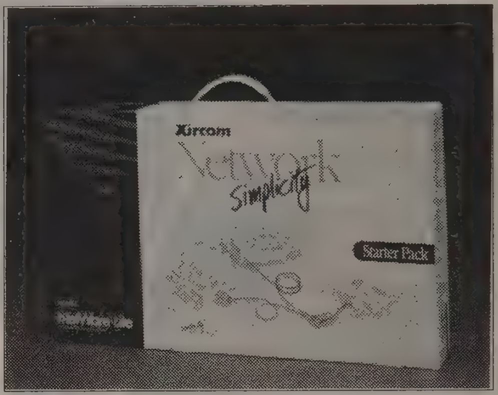

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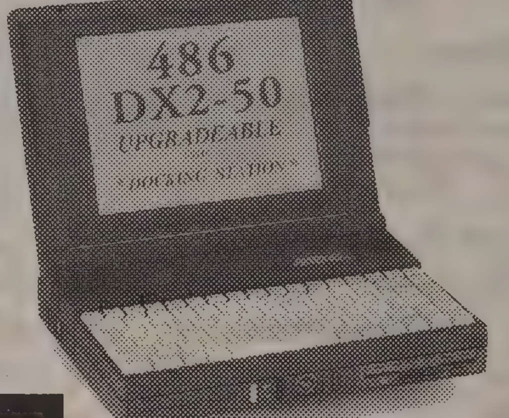

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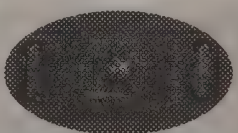

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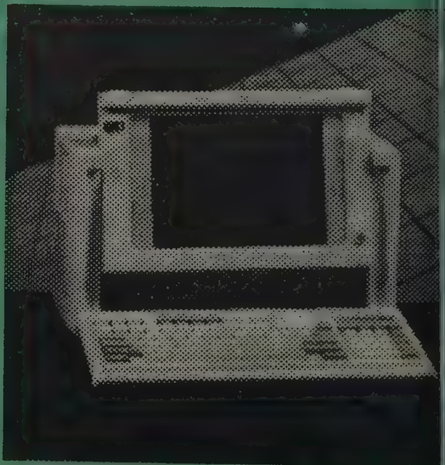

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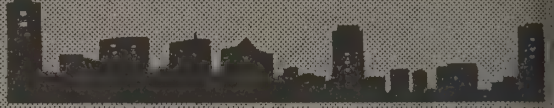

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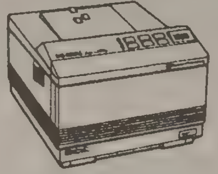

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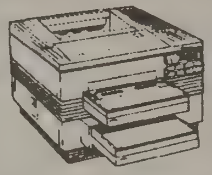

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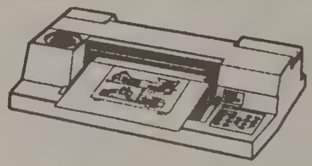

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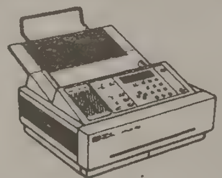

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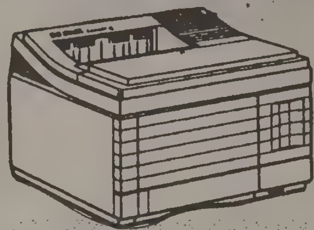

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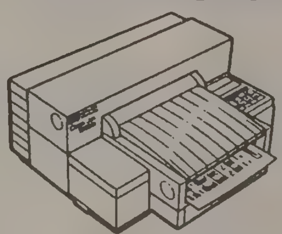

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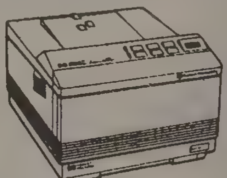

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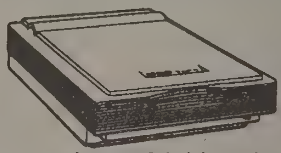

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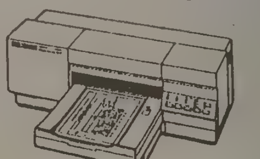

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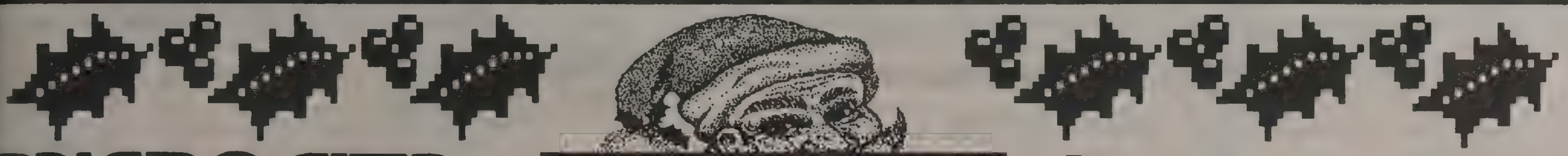

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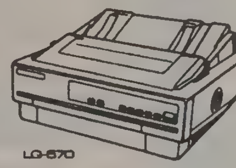

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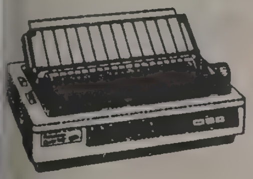

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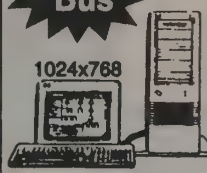

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- 4MB Memory
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- IDE 1:1 Controller
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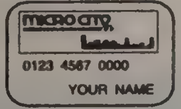

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- 1 MB Trident VGA Video Card
- 1024x768 Super VGA Monitor
- Real Time Clock Calendar
- 2 Serial ports, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard

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386-40 SYSTEM

Two Floppy Drives

- Mini Tower Case or Desktop Case
- 4 MB RAM Installed
- 64K Cache Installed exp. to 256K
- Teac 1.2 & 1.44 MB Floppy Drives
- 2 Hard/2 Floppy Drive Controller
- 80387 Math Co-Processor Socket
- 1 MB Trident VGA Video Card
- 1024x768 Super VGA Monitor (.28)
- Real Time Clock Calendar
- 2 Serial ports, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard

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486-33 SYSTEM

256K Cache & Both Floppy Drives

- Mini Tower Case or Desktop Case
- 4 MB RAM Installed
- 256K Cache Installed exp. to 512K
- Teac 1.2 & 1.44 MB Floppy Drives
- 2 Hard/2 Floppy 1:1 IDE Controller
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- 1 MB Trident VGA Video Card
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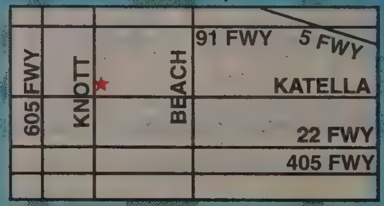

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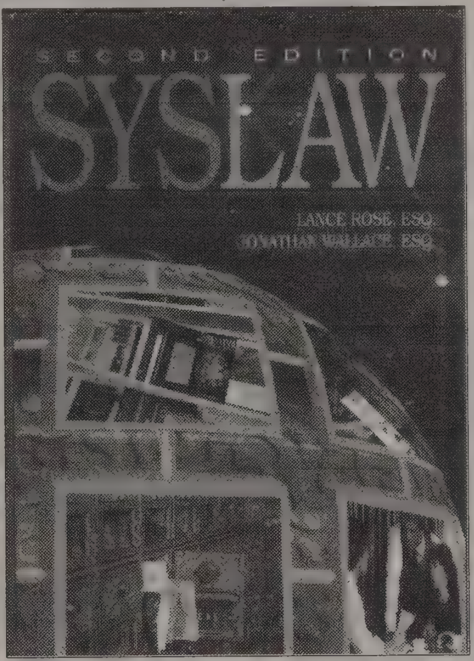
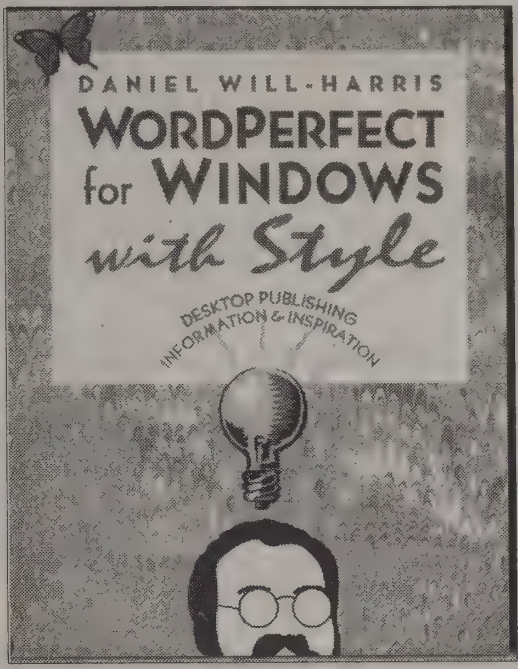
SYSLAW, SECOND EDITION

SysLaw, by Lance Rose and Jonathan Wallace, is a legal guide for online service providers including bulletin board system operators, research database providers, and network administrators. Written in a form easily understandable by non-lawyers, *SysLaw* explores and explains such fundamental online legal concepts and issues as First Amendment rights, ownership of online materials, user agreements, sysop liability, criminal laws, searches and seizures, computer viruses, and adult materials. *SysLaw* also provides detailed suggestions on how online service providers can create the balance of freedom, user services, and protection from risks that they desire for their own systems. ($34.95) PC Information Group, Inc., 1126 E. Broadway, Winona, MN 55987. 1-800-231-8285.



WORDPERFECT FOR WINDOWS WITH STYLE

WordPerfect for Windows With Style: Desktop Publishing Information & Inspiration, by Daniel Will-Harris, may be the only book on WordPerfect for Windows you need. The book covers undocumented tips about fonts, clip art, graphics, and utilities; design guidelines; step-by-step tutorials that tell you exactly which commands, codes, and keystrokes to use (and which to avoid at all costs); a reference packed with information that goes far beyond the manuals; as well as a treasure hunt where deciphering WordPerfect codes can mean valuable prizes. ($24.95) Peachpit Press, 2414 Sixth St., Berkeley, CA 94710. (510)548-4393.



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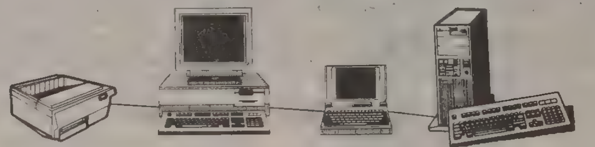

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- 32-Bit EISA Hard Disk Controller (4X faster DTR)
- Diamond 24x (23.9 WinMarks) Graphics Accelerator
- 14" Non-interlaced .28mm Super VGA Monitor (Bigger edge to edge 72Hz flicker-free display)
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400DPI Serial Mouse

486/33 DX	$1895
486/50 DX2	$2025
486/50 DX	$2145
486/66 DX2	$2245

- 8MB RAM & 210MB 12ms Drive Add $270
- 32-Bit VL-Bus VIPER S3-805 Accelerator Add $50

VESA Local Bus WIN-Station

- 64K Cache SRAM & Expandable to 256K
- 4 MB RAM & Built-in 487 Math Coprocessor
- 1.2 MB 5.25" & 1.44 MB 3.5" Floppy Drives
- 130 MB 15ms IDE 64K Cache Drive
- 32-Bit **VL-Bus VIPER S3-805** Graphics Accelerator w. 1MB RAM (Up to 1280x1024 & 16.7M Colors) (Up to 50X faster than Standard SVGA)
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486/33 DX	$1725
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- 8MB RAM & Built-in Math Coprocessor
- 1.2 MB 5.25" & 1.44 MB 3.5" Floppy Drives
- 210 MB Ultra Fast 12ms IDE 64K Cache Drive
- 32-Bit **VL-Bus VIPER S3-805** Graphics Accelerator (2.5 times faster than ATI Ultra Pro in CAD test)
- 17" Flat Screen Non-interlaced Color Monitor (Up to 1280x1024 with Digital Control)
- AutoCAD Display List Driver
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400DPI Serial Mouse

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486/66 DX2	$2875

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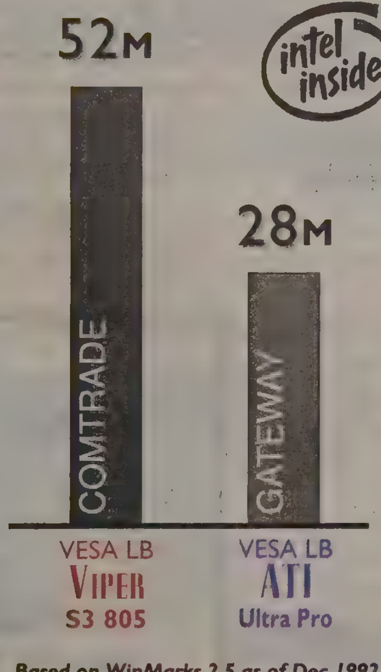
Once again **"THE COMTRADE PC"** has the competition running for cover. In review after review, critic's applaud Comtrade/Maximus shocking speed and extraordinary value. According to the latest PC Magazine, Comtrade's 486 *"Has The Performance Issue Licked."* So much so that PC Magazine ranked Comtrade's 486 EISA WinStation number 2 out of 63 systems in their 486 review **"MOST BANG FOR THE BUCK"** analysis (September 1992). *"It's A Very Swift Graphics Machine,"* says Computer Shopper (May 1992). *"That Deserves Serious Consideration from Anyone Who Wants to Juice up Windows."* And now faster ever, Comtrade/Maximus's latest VESA standard Local Bus S3-805 is even 2 to 5 times faster than any of our previous reviewed systems.

COMTRADE KICKS THEIR BUS!

In Comparison With Gateway 2000's VESA Local Bus ATI Ultra Pro.



Based on WinMarks 2.5 as of Dec 1992
***Million Pixels Per Second (486/66DX2)*
Standard SVGA has only 1.4M WinMarks
VL-Bus TSENG ET-4000 has a 5.3 WinMarks

Read the benchmarks and weep. Comtrade/Maximus's new Viper S3 VESA Standard Local Bus graphics system passes the others like their standing still. Not only does our latest V-LB Viper S3 beat ATI Ultra Pro hands down in Windows performance test, it is also up to **2.5 Times** faster in the LandMark DOS text mode and CAD/CAM (WinTach) test. Combine this unprecedented performance with a solid reputation for quality and service, and a very competitive price and it's no wonder Computer Shopper (November 1992) called the Comtrade 486 *"A Splendid System Backed by First Rate Support."*

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486 EISA Local Bus Rocket

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- 210 MB Ultra Fast 12ms IDE 64K Cache Drive
- 32-Bit EISA Hard Disk Controller (4X faster DTR)
- 32-Bit VL-Bus Viper S5-805 Graphics Accelerator
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- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400DPI Serial Mouse

486/33 DX	$2345
486/50 DX2	$2475
486/50 DX	$2595
486/66 DX2	$2695

- 17" Flat Screen Non-interlaced Monitor Add $400

VESA Local Bus SVGA

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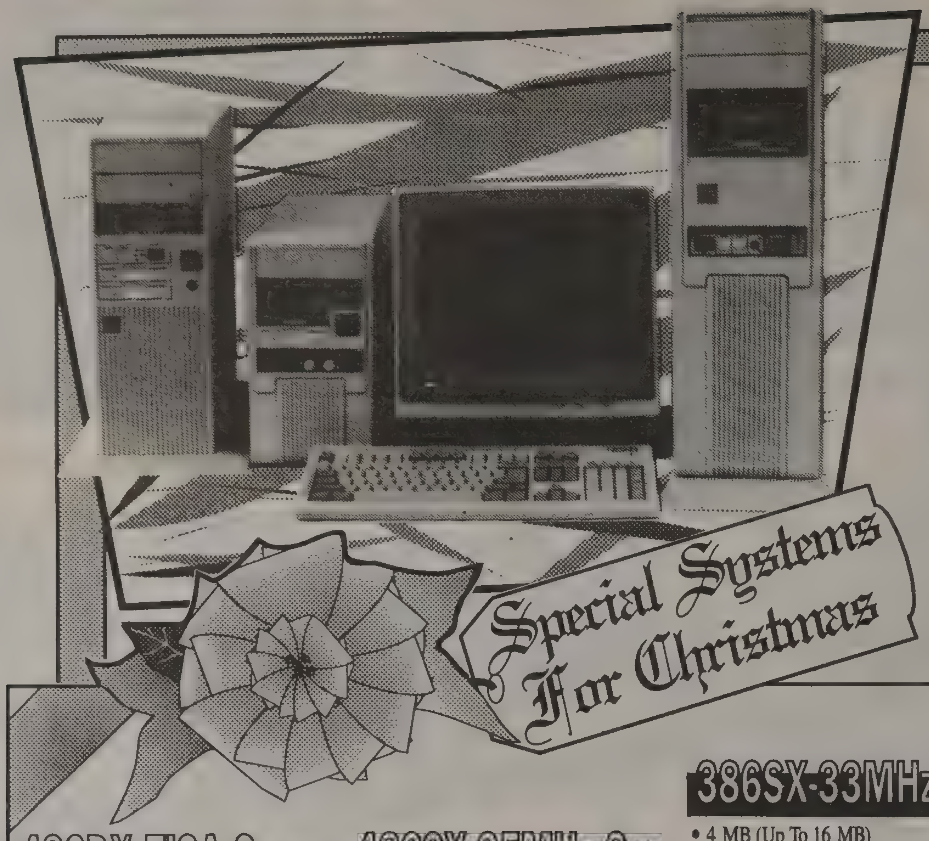

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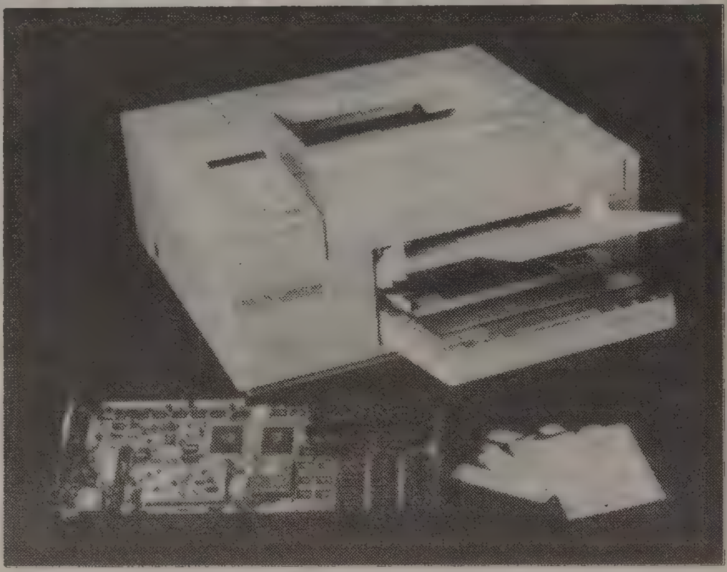

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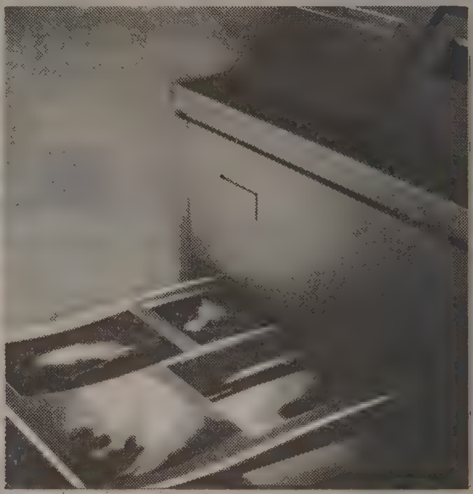

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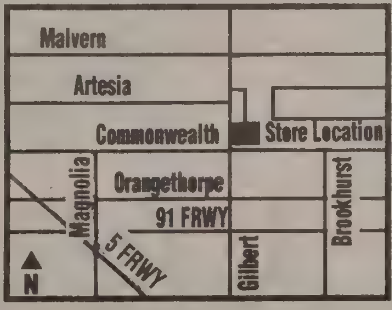

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continued from page 52

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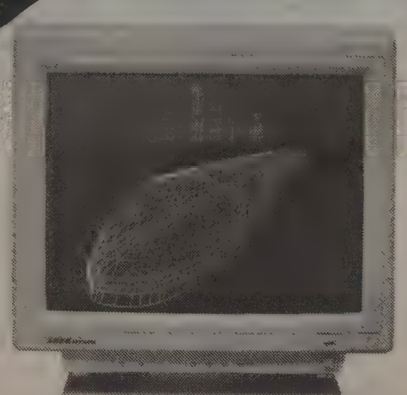

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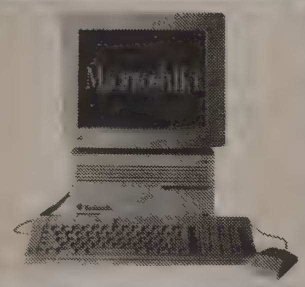

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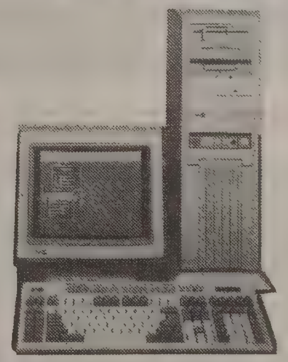

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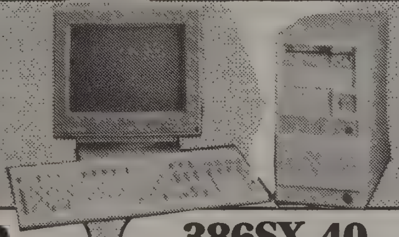

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386SX-40 Cache System

- 1MB RAM
- 16K Cache
- 40MB Hard Drive
- 14" VGA Monitor
- 2 Serial, 1 Parallel, 1 Game Port
- 1.2MB & 1.44MB Floppy Drives
- 101 Enhanced Keyboard
- IDE FD/HD Controller

Cash Discount

$789

386SX-33/25 System

- 1MB RAM
- VGA Monitor
- 40MB Hard Drive
- 1.2MB or 1.44MB Floppy Drive
- 2 Serial, 1 Parallel, 1 Game Port
- Keyboard
- IDE FD/HD Controller

Cash Discount

$699/$669

Network Package

Non-Dedicated File Server
80386-40 File Server
4MB RAM
1.2MB & 1.44MB FD
2S/1P/1G
120MB Hard Drive
101 Enhanced Keyboard
Mini Tower Case
MGP & 14" Monitor
2 Netware Work Stations
386SX-25 Work Station
1 MB RAM
2S/1P/1G
101 Keyboard
Mini Tower Case
8 Bit Ethernet Card
Novell Networking Software
(Netware Version 2.2 - 5 Users)

Cash Discount

$2899

Miscellaneous

101 Enhanced Keyboard	$21
101 Enhanced Keyboard with Calculator	.65
14" Super VGA Monitor	250
Fax/Modem (9600/2400 Baud)	65
Mouse	12
IDE with I/O	15
Mini Tower Case	49
Middle Tower Case	72
Full Tower Case	91

Motherboard

486-66MHz w/CPU (256K Cache)	$890
486-50MHz (256K Cache)	155
486-33MHz w/CPU (256K Cache)	450
486SX-25MHz w/CPU	239
486-33MHz (256K Cache)	145
386-40MHz (64K Cache)	105
386-33MHz (64K Cache)	100
386SX-25MHz (with CPU)	135
386SX-25MHz (with CPU)	125
286-20MHz (with CPU)	69

Network Card

8/16 Bit Ethernet Card	$75/99
8/16 Bit Arcnet Card	50/70
Novell Netware V.2.2 (5/10 Users)	500/1000

Printer

Panasonic 240CPS 24 Pin	$250
Panasonic 192CPS 9 Pin :	198

Memory

1 x 9 (3 Chip) - 60	$36
1 x 9 (3 Chip) - 70	.32
1 x 9 (3 Chip) - 80.	.30
4 x 9 (9 Chip) - 70	135
4 x 9 (9 Chip) - 60	145
256K- 80 SIMM	11
256K - 70 SIMM.	12
256K - 80 SIPP	14

Math Co.

387-40 ULSI	$81
387-33 ULSI	71
387SX-25 ULSI.	68

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Computer Wiz
Store manager: Henry Chou
18506 Hawthorne Blvd.
Torrance, CA 90504
(310)371-6553 Fax:(310)542-0971
Areas of Specialty (and In-House Specialist): AST Computer (Henry); Compaq (Tony Tinq); HP, Novell (David Gonzalez)
Operating Systems Supported: MS-DOS, OS/2, Windows, Novell
Top-Selling Brands in 1992: AST, Compaq, HP
Special Value-Added Services: Warranties, in-house training, support.

Domino Computer
Store manager: Edward
2535 237th St., Ste. 102
Torrance, CA 90505
(213)325-9701 Fax:(213)325-9702
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

IMCS-Integrated Micro Computer Solutions
Store manager: Bob Meadows
21(213) B Hawthorne Blvd., #5467
Torrance, CA 90509
(310)782-0417 Fax:(310)782-0501
Areas of Specialty (and In-House Specialist): Distribution & Manufacturing (Chuck Meadows, CPA)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Macola
Special Value-Added Services: IMCS focuses exclusively on installing, supporting, and training for Macola software for distribution and manufacturing companies.

Input Automation
Store manager: Eileen O'Donnell
3155 Fujita St.
Torrance, CA 90505
(310)539-3598/510-685-6563 Fax:(310)530-2849
Areas of Specialty (and In-House Specialist): Bar Code (Eileen O'Donnell/Jay O'Donnell)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Welch Allyn, Panasonic, Salo
Special Value-Added Services: System integration for bar code, factory floor, data collection.

Jade Computer, Inc.
Store manager: Bob White
18503 S. Hawthorne Blvd.
Torrance, CA 90504
(310)370-7474 Fax:(310)371-4288
Areas of Specialty (and In-House Specialist): Epson Printers (Service Dept); IBM Clones & Compatibles
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Epson, Jade, Toshiba
Special Value-Added Services: Satisfaction guaranteed or your money will be refunded.

PC House
Store manager: Sam Lee
22805 Hawthorne Blvd.
Torrance, CA 90505
(310)373-2688 Fax:(310)373-2687
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

PC Systems Design
Store manager: Gary Lee
22533 Hawthorne Blvd.
Torrance, CA 90505
(310)373-0832 Fax:
Areas of Specialty (and In-House Specialist): Desktop Publishing (Eric Goodwin); Accounting Solution (Eric Goodwin)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, UNIX
Top-Selling Brands in 1992: HP, Toshiba, Apple
Special Value-Added Services: Quality computer solutions w/ complete service and support.

T. Y. Trading, Inc.
Store manager: Sherman Hsu
2310 W. 232nd St.
Torrance, CA 90501
(310)326-7385 Fax:(310)530-8748
Areas of Specialty (and In-House Specialist): System repair & retail (Thomas Hsu)
Operating Systems Supported: Windows
Top-Selling Brands in 1992: Acredn, VZP (AUVA), M.K.I.

UQM Computer Corporation
Store manager: Jimmy Tsai
22395 Western Ave., Ste. 304
Torrance, CA 90501
(310)782-1422 Fax:(310)782-1533
Areas of Specialty (and In-House Specialist): Novell (Jimmy Tsai); LANtastic (Jimmy Tsai); MS Windows V3.1 (Robert Yin)
Operating Systems Supported: MS-DOS, OS/2, SCO
Top-Selling Brands in 1992: Novell, LANtastic, Panasonic
Special Value-Added Services: Knowledgeable staff to service and support your business or personal computer and network needs with high quality products and good prices to make your business easier.

Tustin

ACI American Component International
Store manager: Peter Chen
205 W. First St., Ste. 106
Tustin , CA 92680
(714)838-4443 Fax:(714)838-5055
Areas of Specialty (and In-House Specialist): IBM Compatibles (Peter Chen); Systems Network Training (Joe Krenek); Hardware Specialists (Peter Chen/Walter).
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: ACI Systems, Notebooks, Copystar Diskette Duplicator
Special Value-Added Services: Service, software training, technical support, 1 year parts and labor warranty, return policy.

Berkeley Soft
Store manager: Quan Pham
15102 Redhill Ave., #C
Tustin, CA 92680
(714)259-5250 Fax:(714)259-5245
Areas of Specialty (and In-House Specialist): AutoCAD (Quan Pham); Novell (Sakura Mizuno); WordPerfect (Jim Clark)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1992: Okidata, ViewSonic, Dell Computers
Special Value-Added Services: Novell installation. AutoCAD sales and training, WordPerfect and Database customization.

Upland

PC House
Store manager: John Cheung
130 S. Mountain Ave., #M
Upland, CA 91786
(714)982-2501 Fax:(714)985-3158
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Van Nuys

Alcom Systems
Store manager: Lawrence Yee
14640 Victory Blvd., #125
Van Nuys, CA 91411
(818)989-9182 Fax:(818)989-2371
Areas of Specialty (and In-House Specialist): Business Software (Ronald); Hardware setup (Lawrence); Network installation (Alan)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: HP, Okidata, Maxtor
Special Value-Added Services: Software training, on-site service, extended warranties.

Compuhelp Computer
Store manager: Ilya Mosk
16131 Victory Blvd.
Van Nuys, CA 91406
(818)901-0280 Fax:(818)901-7465
Areas of Specialty: Desktop Video; Xenix; Novell
Operating Systems Supported: MS-DOS, OS/2, Windows, Amiga, UNIX
Top-Selling Brands in 1992: Amiga, Compuhelp PC's, AST
Special Value-Added Services: On-site service, 1 year warranty (parts and labor).

Computer House
Store manager: Dwight Kim
7008 Van Nuys Blvd.
Van Nuys, CA 91405
(818)786-3700 Fax:(818)989-0003
Areas of Specialty: CAD Systems; Hardware, software; Network Novell
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: Acer, Everex, Toshiba
Special Value-Added Services: Support, training before purchase, one day service.

Micro City Computer Superstore
Store manager: Peter Tsukamoto
6265 Sepulveda Blvd., Ste. 15
Van Nuys, CA 91411
(818)781-0698
Areas of Specialty (and In-House Specialist): GST (All Staff); Hewlett Packard (All Staff); Epson, Toshiba (All Staff)
Operating Systems Supported: MS-DOS, OS/2, Windows, Macintosh, UNIX
Top-Selling Brands in 1992: GST, Hewlett Packard, Epson
Special Value-Added Services: Service, support, training, warranties.

PC House
Store manager: Jonathan Lin

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FAST 120MB Hard Disk
1.2MB 5.25" & 1.44MB 3.5" floppies
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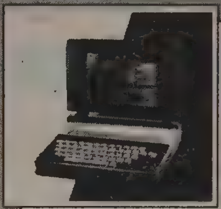

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Features include a 9.5" Color LCD screen, 386SX-25MHz CPU, and Toshiba DOS 5.0! The Ni-Cad batteries can provide 4 hours of power.

80MB	$2399
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Notebook Bonanza!

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4MB RAM &120HD	4MB RAM & 200HD	2MB RAM & 80MB HD	1MB RAM & 40MB HD
This VGA color notebook is very lightweight and durable. And has a 486SX 25MHz processor for punch!	With an intel 486DX 33MHz processor and a 200MB HD this unit is one of the fastest portables on the market. It even has 2 full height slots.	This notebook is Lightweight and Economical. It has an intel 386SX 20MHz.	This low priced notebook is perfect for students, and light windows users. It has a 386SX 16MHz CPU.
$2399	$6399	$1899	$1099

T3300SL 4RAM & 120HD

The 3300SL uses Intel's Energy Saving i386SL CPU for longer lasting battery life without a sacrifice in processing speed.

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The 1850 includes a 25MHz CPU and 4MB of RAM
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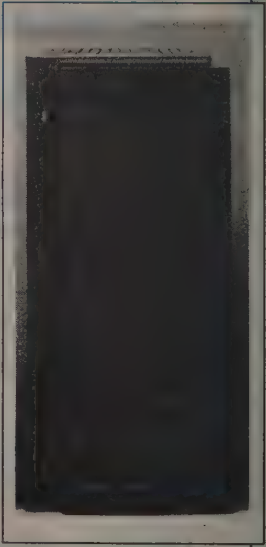

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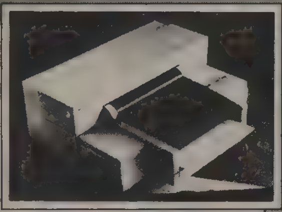
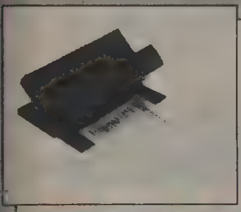


HP Deskjet 550C & HP Deskwriter 550C B/W InkJet Printers

This HP Color Printer can print solid Blacks and Hi-Res Color at the same time.

$679



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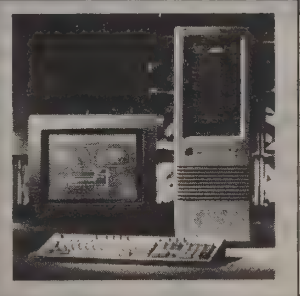

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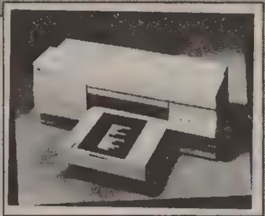

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Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

PC-SEI Inc.
Store manager: Arthur Vih
15705 Strather St., #4
Van Nuys, CA 91406
(818)782-1111 Fax:(818)782-3946
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Digitech motherboards, CTX monitors, Panasonic printers
Special Value-Added Services: We offer customers optional on-site repair service contract, lifetime technical support and 1-5 years parts warranty (depends on manufacturers).

Resources Information Systems
Store manager: Bob Gilbert
16760 Stagg St., #202
Van Nuys, CA 91406
(818)786-7745 Fax:(818)786-3594
Areas of Specialty (and In-House Specialist): Novell Network (Richard Caliandro)
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1992: Everex, ALR, AST
Special Value-Added Services: On-site warranty, on-site customer training and telephone support.

Ventura

Lewis & Lewis Enterprises
Store manager: Kathy Lewis
1600 Callens Rd.
Ventura, CA 93003
(805)644-7405/(800)342-3607 Fax:(805)642-3970
Areas of Specialty: HP PC Products
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Hewlett Packard
Special Value-Added Services: Sales, service, support and rentals of all Hewlett Packard PC products and calculators.

Walnut

Asean Computer Technologies
Store manager: Ida Sugiman
971 Fairway Dr.
Walnut, CA 91789
(714)598-2828 Fax:(714)598-5748
Areas of Specialty (and In-House Specialist): Systems (Toni Luong)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1992: ViewSonic, Sony, CTX

Atlantic Computer Systems dba Digitech Research Inc.
Store manager: Eloise Uribe
376 Lemon Creek Dr., Unit F
Walnut, CA 91789
(714)468-1368 Fax:(714)468-1366
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Digitech motherboards, CTX monitors, Panasonic printers
Special Value-Added Services: We offer customers optional on-site repair service contract, lifetime technical support and 1-5 years parts warranty (depends on manufacturers).

Binomial System Inc.
Store manager: Skip Sanapanya & Lawrence Esparaz
957 Fairway Dr.
Walnut, CA 91789
(714)595-8293 Fax:(714)598-4609
Areas of Specialty (and In-House Specialist): Novell Networking (Lawrence Esparaz); Software Programmer (Skip Sanapanya); SCO/UNIX (Guilbert Esparaz)
Operating Systems Supported: MS-DOS, Windows, SCO, Novell
Top-Selling Brands in 1992: Epson, Novell, HP
Special Value-Added Services: Network integration, custom software development, wide-area networks.

CMOS-NTI
Store manager: Joshua Vu
20615 Valley Blvd., Unit C
Walnut, CA 91789
(714)595-0511 Fax:(714)595-2413
Areas of Specialty: Service; LAN
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: IBM, Compaq, CMOS
Special Value-Added Services: Support and service.

Cosmos Business Systems
Store manager: Kevin Lee
727 Brea Canyon Rd., #7
Walnut, CA 91789
(714)468-2028 Fax:(714)468-2027
Areas of Specialty (and In-House Specialist): System Service in Novell (Kevin Lee); Software Consultants(Kenny Lee)
Operating Systems Supported: MS-DOS, Windows, UNIX
Top-Selling Brands in 1992: Cosmos Computer
Special Value-Added Services: On all systems we have 1 year parts, 2 years labor service in shop. We also offer on-site service for Novell and all PC Compatible.

Ocean Interface Co.
Store manager: James Pan
515 Spanish Lane #C
Walnut, CA 91789
(714)595-1212 Fax:(714)595-9680
Areas of Specialty (and In-House Specialist): 386-486 (Roger, Eric); Novell Networks; Point of Sale Bar Code Systems
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Ocean 486, Ocean 386, 1MB VGA Card
Special Value-Added Services: On-site service and support, 1 year parts and labor warranty.

Sunrace
Store manager: Toku Lee
809 S. Lemon Ave.
Walnut, CA 91789
(714)468-2955 Fax:(714)468-2961
Areas of Specialty (and In-House Specialist): Notebook Computers (Vincent Teng); Keyboard (Vincent Teng); Monitor (Vincent Teng)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Sunrace, WEN, DPI
Special Value-Added Services: We sell notebook computers (386SC-25 and 486 DLC/25) and support technical design for OEM case. We have 1 year warranty and RMA policy.

West Covina

Goodman Music
Store manager: Kenny Smith
544 N. Azusa Ave.
West Covina, CA 91791
(818)967-5767 Fax:(818)967-8467
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Atari
Top-Selling Brands in 1992: Apple, Atari, Yamaha
Special Value-Added Services: Apple service, Atari service.

West Los Angeles

Computer Palace
Store manager: Homi Shamolian
11919 W. Pico Blvd.
West Los Angeles, CA 90064
(310)444-0042 Fax:(310)444-1492
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Computer Palace
Store manager: Navid
11909 W. Pico Blvd.
West Los Angeles, CA 90064
(310)478-4321 Fax:(310)477-1918
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Micro University
Store manager: Sid Allen
1244 Westwood Blvd.
West Los Angeles, CA 90024
(310)470-9233 Fax:(310)474-8486
Areas of Specialty (and In-House Specialist): Systems (Sales Staff); Networking
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT
Top-Selling Brands in 1992: Apple, Toshiba , AST
Special Value-Added Services: Service, training, support, warranties.

PC House
Store manager: Wai Chow
11555 Olympic Blvd., Unit #D
West Los Angeles, CA 90064
(213)478-4136 Fax:(213)479-7258
Areas of Specialty (and In-House Specialist): Computer Systems (Sales sStaff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Westlake Village

SmartMicro Technologies, Inc.
Store manager: Jay Gordon
143 Triunfo Canyon Rd., Ste. 103
Westlake Village, CA 91361
(800)266-1576 Fax:(805)371-0012
Areas of Specialty (and In-House Specialist): ROM BIOS Upgrades (Andrew Rothman)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Amiga, Macintosh

Networks To Go...

20 User Windows Network... $38,888.

Sales tax included in lease price

Configured with Novell NetWare 3.11 20 user operating system, 486-**50**Mhz Tower, 528MB hard disk, dual LAN configuration using 2 12 port 10Base-T concentrators. 250MB tape backup system with auto backup in the evening, 386-40Mhz Windows workstations with 8MB memory, mouses, super VGA displays, and MUCH more. See below for additional information...

Lease it for just **$956.** *per month!*

10 User Windows Network... $23,995.

Sales tax included in lease price

Configured with Novell NetWare 3.11 10 user operating system, 486-**33**Mhz Tower, 528MB hard disk, a 12 port 10Base-T concentrator. 250MB tape backup system with auto backup in the evening, 386-40Mhz Windows workstations with 8MB memory, mouses, super VGA displays, and MUCH more. See below for additional information...

Lease it for just **$591.** *per month!*

5 User Windows Network... $11,995.

Sales tax included in lease price

Configured with Novell NetWare 3.11 5 user operating system, 486-**33**Mhz Tower, 209MB hard disk, a 8 port 10Base-T concentrator. 120MB tape backup system with auto backup in the evening, 386sx-33Mhz Windows workstations with 8MB memory, mouses, super VGA displays, and MUCH more. See below for additional information...

Lease it for just **$302.** *per month!*

Included with all systems...

- **Uninterruptable Power Supply** (UPS) with auto shutdown of the file server during power outages
- **Pre-formatted** tape backup cartridges included
- **Windows 3.1** installed on file server
- **MS-DOS 5.0** installed on file server
- Delivered and installed '**turnkey**' ready

Training...

We train your designated '**Network Administrator**' in our office prior to delivery of your new network.

We're just a phone call away when you may need advice...

Your success is also our success

Free remote support...

If you purchase a modem and PCanywhere remote control software with your network, **Netfocus** will provide **FREE** remote phone support for a full year! Just dial in to our remote console and we'll do the rest!

Call us for details...

Netfocus Network Stores is *your* one-stop source for networking needs...

Microsoft Windows* for Workgroups... $399.

"Peer to Peer Networking at its best!"

2 User Starter Kit

Everything you need to connect up 2 computers. share printers and files. Built-in E-mail and Schedule+...

Your workgroup can send messages, schedule meetings and appointments, manage calendars, etc.

You get:

* Windows 3.1 required...

- **2 Window for Workgroups software packages**
- **2 16 bit EtherNet Network Adapters** (Novell certified)
- **2 50 ohm cable terminators**
- **2 cable T-connectors**
- **25' EtherNet coaxial cable with connectors**

A Bonus Feature... You also receive a **speaker driver!** Uses your computer speaker for Windows for Workgroups sounds... E-mail notices, appointment alerts, your phone 'rings' for chats, etc.

Live Demo in our showroom!

Need Network Adapters?

We have them all!

ArcNet...	
8 bit ArcNet Star	$48
16 bit ArcNet Star	$78
16 bit ArcNet Star/Bus coax/TP	$85
16 bit 4 port hub server card	$110
EtherNet...	
8 bit NE1000 compatible	$107
16 bit NE2000 compatible	$120
10Base-T...	
8 bit RJ45 uses NE1000 driver	$120
16 bit RJ45 uses NE2000 driver	$135
Workstation cables...	
7' RJ45 UTP (10Base-T) cable	$4.50
14' RJ45 UTP (10Base-T) cable	$7
25' RJ45 UTP (10Base-T) cable	$10
50' RJ45 UTP (10Base-T) cable	$18
25' RG58a/u coaxial, EtherNet	$14
50' RG58a/u coaxial, EtherNet	$21
25' RG62a/u coaxial, ArcNet	$14
50' RG62a/u coaxial, ArcNet	$21

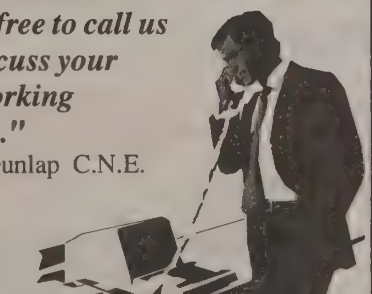
All items work just fine with Novell NetWare, and are warranted for one full year.

Hubs & Concentrators

10Base-T	
8 port concentrator	$355
12 port concentrator	$625
4 port NIC-concentrator for file server (internal)	$350
ArcNet	
8 port coaxial (RG62)	$130
8 port twisted pair	$162
4 port passive hub	$10

A Novell Authorized Reseller

Certified NetWare Engineers on staff



"Feel free to call us to discuss your networking needs."
Dave Dunlap C.N.E.

(P.S. Clip and save this AD, you may need it some day...)

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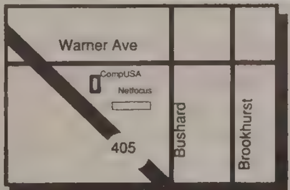

Top-Selling Brands in 1992: AMI, Phoenix, MR. BIOS
Special Value-Added Services: Tech support.

Westminster

JV Computers
Store manager: Joseph Vu
10451 Bolsa Ave., Ste. 212
Westminster, CA 92885
(714)531-8875 Fax:(714)531-9663
Areas of Specialty (and In-House Specialist): Multimedia (Joseph Vu); Point of Sales System (Joseph Vu); IBM Hardware/Software (Joseph Vu)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1992: Lotus, Borland, Vision Imaging
Special Value-Added Services: Provide turnkey system to small business. Design and develop multimedia packages for corporation. Sales, service, repair, upgrade all IBM compatible computers.

Katronic Company
Store manager: Gino
14382 Hoover St., Ste. A-9
Westminster, CA 92683
(714)895-2084 Fax:(714)897-9853
Areas of Specialty (and In-House Specialist): Business & PC's (Gino); Networks (Gino)
Operating Systems Supported: MS-DOS, OS/2, UNIX, Novell
Top-Selling Brands in 1992: Katronic Computer Systems
Special Value-Added Services: Service, support, warranties.

Microsel Peripherals
Store manager: Krisman
15368 Beach Blvd.
Westminster, CA 92683
(714)892-5020 Fax:(714)892-7901
Areas of Specialty: Networking; UNIX; OS/2
Operating Systems Supported: MS-DOS, OS/2, Windows, SCO
Top-Selling Brands in 1992: DOS, Window, Desktop Publishing, Training

Pro Computer Service Company
Store manager: Lee Ninh
14392 Hoover St., Ste. B-3
Westminster, CA 92683
(714)891-8293 Fax:(714)891-3269
Areas of Specialty: Hard drive; Floppy drive repair
Operating Systems Supported: MS-DOS
Special Value-Added Services: Service, repair, warranty.

Whittier

DMA Lab., Inc.
Store manager: Ken Wang
12409 Slauson Ave., # A
Whittier, CA 90602
(310)945-7710 Fax:(310)945-5339
Areas of Specialty (and In-House Specialist): Multi-media (Robert); Computer System (Ken); Networking (Ken)
Operating Systems Supported: MS-DOS, OS/2, Windows, DR DOS
Special Value-Added Services: On-site services for Tatung computer products. 30 day money back for all products.

Pantex Computer, Inc.
Store manager: Lili Chen
11546 E. Washington Blvd., #A&B
Whittier, CA 90606
(310)699-3333 Fax:(310)699-1804
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Panthai Case, BioStar Main Board, Samtron Monitor
Special Value-Added Services: 1 year warranty.

Woodland Hills

Certified Network Educators
Store manager: Angella Keleman
21241 Ventura Blvd., Ste. 279
Woodland Hills, CA 91364
(800)526-7883 Fax:
Areas of Specialty: Novell Training; CNE Certification
Operating Systems Supported: MS-DOS, OS/2, Windows, UNIX
Top-Selling Brands in 1992: Novell
Special Value-Added Services: On-site training and classroom support.

Computer Palace
Store manager: Ramin or Bijan
22401 Ventura Blvd.
Woodland Hills, CA 91364
(818)347-3480 Fax:(818)347-3475
Areas of Specialty (and In-House Specialist): Networking (Navid); Desktop Publishing (John)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Hewlett Packard, Apple, Toshiba
Special Value-Added Services: We offer repair service, training, on-site service. Rental, extended warranty and support on full line of Apple and IBM compatibles.

Dustin Discount Software
Store manager: Karim Hadchiti
20969 Ventura Blvd., #13
Woodland Hills, CA 91364
(800)274-6611 Fax:
Areas of Specialty (and In-House Specialist): Spreadsheets/Utilities (Rick Davis); Databases/Graphics (Rick Davis); Operating Systems/Etc. (Rick Davis)
Operating Systems Supported: MS-DOS, OS/2, Macintosh
Top-Selling Brands in 1992: Lotus, Borland, Microsoft
Special Value-Added Services: Service and price.

JMV Computers
Store manager: Jeff Ma
19743 Ventura Blvd.
Woodland Hills, CA 91364
(818)593-2065 Fax:(818)593-2039
Areas of Specialty: Networking; Accounting
Operating Systems Supported: MS-DOS, OS/2, UNIX
Top-Selling Brands in 1992: HP Laser Printers
Special Value-Added Services: 1 year warranty parts and labor. On-site service, training, and support, extended warranties.

LA Computer Express
Store manager: Sina Davood
19801 Ventura Blvd.
Woodland Hills, CA 91364
(818)719-9200 Fax:(818)719-9115
Areas of Specialty: Desktop Publishing; Accounting
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, Macintosh
Top-Selling Brands in 1992: Apple, Edison, Hewlett-Packard
Special Value-Added Services: 1 year warranty parts and labor, extended warranty available. On-site service available.

PC House
Store manager: Duc Nguyen
20051 Ventura Blvd., #B
Woodland Hills, CA 91364
(818)888-3011 Fax:(818)888-3049
Areas of Specialty (and In-House Specialist): Computer Systems (Sales Staff)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1992: Micro Q Computer System, Panasonic, Epson
Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

Soft-Hard Systems
Store manager: Eric Ghayam
6301 De Soto Ave., #C
Woodland Hills, CA 91367
(818)999-9531 Fax:(818)999-9683
Areas of Specialty (and In-House Specialist): DOS (Frank); UNIX (Frank); Novell (Frank)
Operating Systems Supported: MS-DOS, OS/2, Windows, Windows NT, UNIX
Top-Selling Brands in 1992: AMI, Micronics, Maxtor
Special Value-Added Services: 1-800 tech support, full technical staff, minimum 1 year parts up to 5 years.

The Computer Mate
Store manager: Robert Ahdout
22900 Ventura Blvd., #170
Woodland Hills, CA 91364
(818)225-1655 Fax:(818)225-1656
Areas of Specialty: Networking; Graphics User Interface; Memory Management
Operating Systems Supported: OS/2, Windows, Windows NT
Top-Selling Brands in 1992: Windows 3.1, DOS 5, Word for Windows 2.0
Special Value-Added Services: Service, personalized support, custom design.

Unitech Business Systems
Store manager: Howard Lee
21016 Victory Blvd.
Woodland Hills, CA 91367
(818)710-1166
Areas of Specialty (and In-House Specialist): Accounting Systems (Howard Lee); Wholesale Distribution Systems (Howard Lee); Property Management Systems (Howard Lee)
Operating Systems Supported: MS-DOS, UNIX
Top-Selling Brands in 1992: Wyse, Okidata, AccPAC/BPI
Special Value-Added Services: We provide Microcomputer sales, service, support, consulting, training, programming and network installations, etc. to customers.

Yorba Linda

Domino Computer
Store manager: Vincent
3890 Prospect Ave., Ste. C
Yorba Linda, CA 92686
(714)579-0808 Fax:(714)579-0800
Areas of Specialty: Customized Computer System
Operating Systems Supported: MS-DOS, OS/2, Windows
Top-Selling Brands in 1992: Spear, Everex
Special Value-Added Services: Build your own computer in our store, instant service and repair.

Western Micro
Store manager: Ersin Caner & Al Thompson
22343 La Palma Ave., Ste. 120
Yorba Linda, CA 92687
(714)692-1774 Fax:(714)692-0170
Areas of Specialty (and In-House Specialist): Business & Home Computer (Ersin Caner & Al Thompson)
Operating Systems Supported: MS-DOS, OS/2, UNIX, Pick
Top-Selling Brands in 1992: Western Micro 386-33 MHz, 386-

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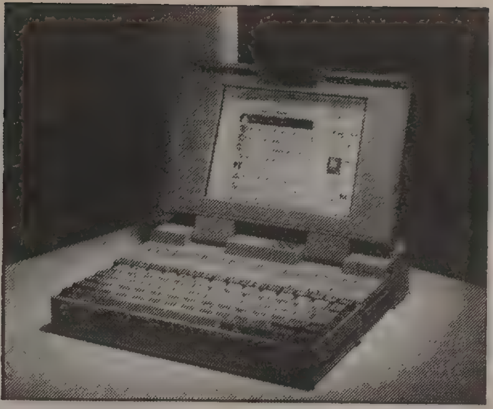
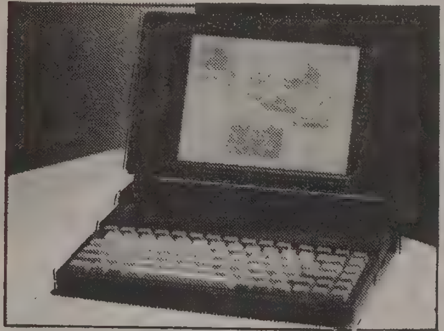


486DX-33MHz w/8K Cache!!!

Is this what you have been waiting for? A true 32-bit notebook machine with cache memory? A real powerhouse in a notebook package—only 10"D x 11"W x 2 1/4"H and weighs only 9-lbs. with quick-charge (2hr.) battery.

- 486DX-33MHz or 386DX-33MHz CPU
- 4MB RAM expandable to 16MB
- 8K Cache (486DX), 32K Cache (386DX)
- Hi Res. LCD VGA screen
- Numeric keypad included
- 2 serial, parallel, ext. VGA, ext. keyboard
- Optional Docking Station holds 2 16-bit cards
- FREE MS DOS 5.0 & Windows 3.1
- 1.44 MB floppy drive included

	80MB	120MB	200MB
486DX	$2110	$2165	$2345
486SX/25	$1795	$1850	$2030



Big Screen Notebook

- New Intel 386SL or 386DXL CPU
- 9 1/2" SCREEN, 25% MORE VIEWING AREA
- 640X480 VGA LCD DISPLAY w/64 grey scale
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- Free MS DOS 5.0 & Windows 3.1
- 1 year parts & labor warranty
- 1.44MB floppy drive included

	80MB	120MB
386SXL/25MHz, 2MB RAM	$1415	$1545
386DXL/33MHz, 4MB RAM	$1595	$1725
486SLC/25MHz, 4MB RAM	$1685	$1825
486DX/33MHz, 4MB RAM	$2150	$2275
486DX/33MHz Color, 4MB	$2775	$2895

Our Newest Notebook

CHAPLET 386SL/25 NOTEBOOK

- 10" LCD SCREEN, 64 GREY SCALES
- 25MHZ 80386SL CPU W/16K CACHE
- 2MB RAM, EXPANDABLE TO 8MB
- BUILT-IN TRACKBALL MOUSE
- MS DOS 5.0 INCLUDED
- SIZE 11.3"W X 8.5"D X 1.5"H
- WT. 5.5LB. W/BATTERY PACK
- CARRYING CASE INCLUDED

60MB	80MB	120MB
$1550	$1595	$1710

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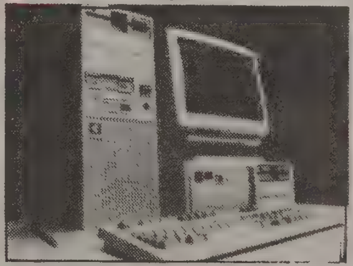
Bring this coupon or mail in with order

Expires January 31, 1993

386SX System w/40MB $1100



- Intel 386SX-25MHz CPU
- 40MB IDE Hard Disk
- 1.2MB & 1.44MB Drives
- 1MB RAM, expandable to 8MB
- Super VGA color monitor, .28mm dots, 1024x768 resolution
- Fujitsu 101-key enhanced keyboard
- 16-bit VGA card w/1MB RAM
- 1:1 hard/floppy controller
- I/O: 2 serial/ 1 parallel /1 game
- 1 year parts & labor warranty
- 30-day money-back guarantee

386-33/40MHz System w/120MB $1325/1345

- Intel 386DX-33/40MHz CPU
- 4MB RAM, expandable to 16MB
- 1.2MB & 1.44MB Teac drives
- Super VGA color monitor, .28mm dot, 1024x768 resolution
- 16-bit VGA card w/1MB RAM
- 1:1 hard/floppy controller
- I/O: 2 serial/1 parallel/1 game
- Fujitsu 101-key enhanced keyboard
- 1 year parts & labor warranty
- 30-day money-back guarantee

486-33MHz System w/120MB $1745

- Intel 486DX-33MHz CPU
- 256K high speed Cache memory
- 4MB RAM, expandable to 32MB
- 1.2MB & 1.44MB Teac drives
- Super VGA color monitor, .28mm dot, 1024x768 resolution
- 16-bit VGA card w/1MB RAM
- 1:1 hard/floppy controller
- I/O: 2 serial/1 parallel/1 game
- Fujitsu 101-key enhanced keyboard
- 1 year parts & labor warranty
- 30-day money-back guarantee

486-50MHz System W/120MB $1945

- Intel 486DX-50MHz CPU
- 256K high speed Cache memory
- 4MB RAM, expandable to 32MB
- 1.2MB & 1.44MB Teac drives
- Super VGA color monitor, .28mm dot, 1024x768 resolution
- 16-bit VGA card w/1MB RAM
- 1:1 hard/floppy controller
- I/O: 2 serial/1parallel/1 game
- Fujitsu 101-key enhanced keyboard
- 1 year parts & labor warranty
- 30-day money-back guarantee

MONITORS

Samsung 12" amber monitor	$85	ViewSonic V8, 20" VGA	$1750
Everview 14" amber (flat)	$105	Santron 14" VGA .31	$2850
Everview 14" VGA 1024, .39	$239	Sony 1304 VGA 1024 .25mm	$595
Everview 14" VGA 1024, .28	$289	Sony 1604 17" .25	$1075
Acer 14" VGA 1024, .28	$299	NEC 3FGX	$695
ViewSonic V1 VGA, 640 .39	$239	NEC 4FG	$795
ViewSonic V4 VGA, 1024, .28	$315	NEC 5FGX, 17" Multisync	$1595
ViewSonic 5E, 14" VGA .28	$399	Seiko 1440 14" VGA	$475
ViewSonic V5+, 14" VGA .25	$525	Seiko 1450 non-interlaced	$639
ViewSonic V6 VGA 1024 .28	$369	Window Accelerator Card up to 20x faster than SVGA	$119
ViewSonic V7, 17" VGA	$1050		

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Teac 1.2MB/1.44MB floppy drive	$54/$56	Maxtor 130MB IDE hard disk	CALL
Y-E Data 1.2MB/1.4MB floppy drive	$54/$52	Maxtor 340MB IDE hard disk	CALL
1" 1.2MB drive for Compaq	$139	Micropolis 676MB ESDI HD	CALL
Canon 1.2/1.4 dual media drive	$195	Fujitsu 1.2GB SCSI Drive	CALL
Conner 40MB IDE hard disk	CALL	Micropolis 1.2GB SCSI Drive	CALL
Conner 80MB IDE hard disk	CALL	Pinnacle CD/ROM w/World Atlas	$299
Conner 120MB IDE hard disk	CALL	IDE 1:1 controller with I/O	$25
Conner 200MB IDE hard disk	CALL	Ricoh Read/Write CD Drive	CALL
Fujitsu 500MB IDE hard disk	CALL	Colorado Tape Back-Up, 120MB	$199
Seagate 351 40MB IDE hard disk	CALL	Colorado Tape Back-Up, 250MB	$269

PRINTERS

HP LaserJet IIP+/IIIP+/IIID	CALL	Epson LQ-570/1010	$289/$409
HP LaserJet 4	CALL	Epson LQ-870/1170	$469/$625
IBM Laser 5E/6A/6P/10A/10P	CALL	Epson FX870/1170	$325/$419
Brother HL-10V Laser Printer, 10 PPM		Okidata 320/321	$335/$445
HP III compatible, 1 MB RAM, 35 fonts, PCL-5	$1275	Okidata 390/391	$430/$599
Citizen 200GX/200GX-15	$165/$239	Okidata 393	$950
Citizen GSX-140+/145	$305/$415	Okidata OL400, 4ppm	$595
Epson LX-810	$195	Panasonic 1180i/2180	$169/$189
Epson FX-850/FX1050	$329/$429	Panasonic 1124i/2124	$289/$349
		Panasonic 2123/2624	$265/$425

COMPUTER PALACE

GLENDALE
1029 E. Broadway
(Between Glendale Ave. & 2 Fwy)
(818) 241-2551

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8504 W. 3rd Street
(Corner of LaCienega)
(310) 659-1500

WEST L.A.
11909 W. Pico Blvd.
(1 Blk. E. of Bundy)
(310) 478-4321

IRVINE
17624 Harvard Ave. Ste. B
(Corner of Main & Harvard)
(714) 250-0808

WOODLAND HILLS
22401 Ventura Blvd.
(At Shoup)
(818) 347-3430

GLENDORA
1435 E. Alcosta
(2 Blks. W. of Lonehill)
(818) 335-4033

RANCHO CUCAMONGA
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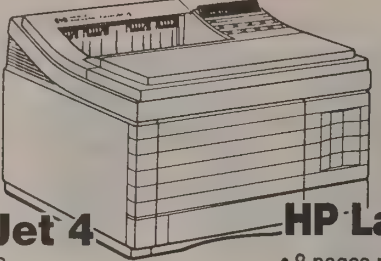

HP LaserJet 4

- 8 pages per minute
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- 45 scalable typefaces
- 2 MB RAM
- 2 paper trays for total of 350

HP LaserJet 4M

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NEW!

DeskJet 500C

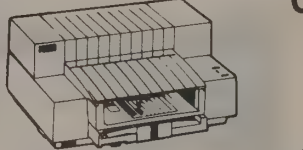
Color for PC

HP DeskWriter 500C

Color for Macintosh

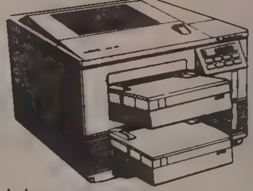
- Now with both simultaneous color & black ink for convenient printing

CALL



DeskJet 500 .... $375
DeskJet 500C $489

HP IIIsi Printer



- 300 dpi
- 17 pages per minute
- (2) 500 sheet trays
- 1 year on site warranty

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DeskWriter
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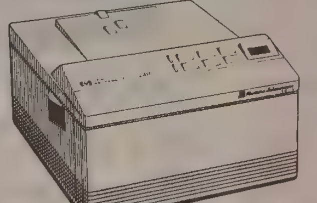
DeskWriter Color
$489-$50 Rebate $439

DeskWriter 550C
- 300 dpi inkjet printer
- 3 pages per minute
- 3 year warranty $679

ScanJet IIP & Software
$699-$50 Rebate $649

ScanJet IIC & Software
$1299-$100 Rebate $1199



HP LaserJet IIP+

- 4 pages per minute output
- Publication quality output
- Includes toner

$765

HP LaserJet IIIP

- Superior 300 dpi resolution
- PostScript options available
- 2 PCL5 scalable fonts (RET)
- Includes toner

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NEW!

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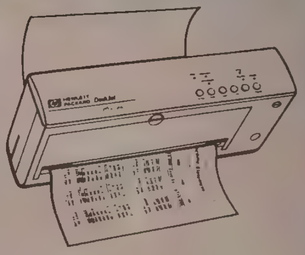
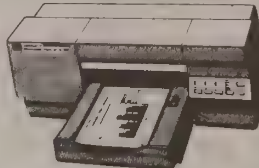


- InkJet 300 dpi laser quality
- 4.4 pounds
- Up to 3 pages per minute
- 84 typefaces & size combinations

$399

HP PaintJet XL 300 Color



- 300 dpi laser quality color
- 2 MB Ram
- 13 scalable typefaces
- Handles up to 11 x 17 paper

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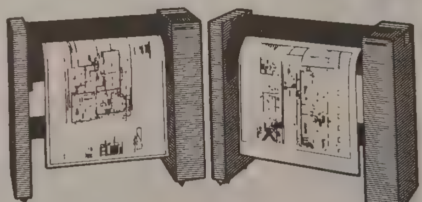
HP PLOTTERS

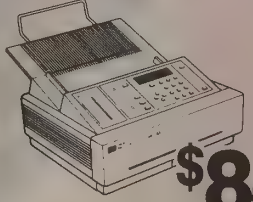


HP DraftPro
C or D sizes
$2449

HP DraftPro DXL/EXL
A-D size/ A-E size
$2949/3895

HP LaserJet Fax

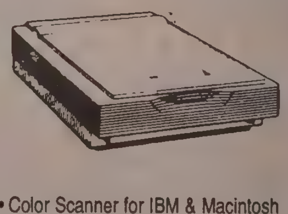
- Receives plain paper faxes
- Generates laser-quality 300dpi faxes



$849

HP Plain Paper Fax
HP Fax 200 ....$935
HP Fax 310 ....$1229

HP ScanJet IIC



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Special Value-Added Services: All products, 1 year warranty, free tech support, Panasonic and Epson product authorized service center.

PC House
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St. Louis, MO 63141
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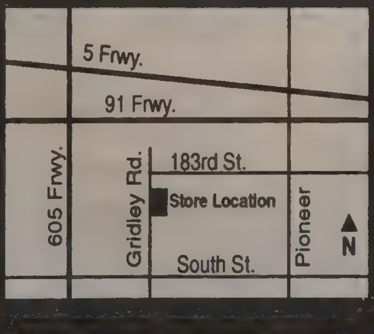

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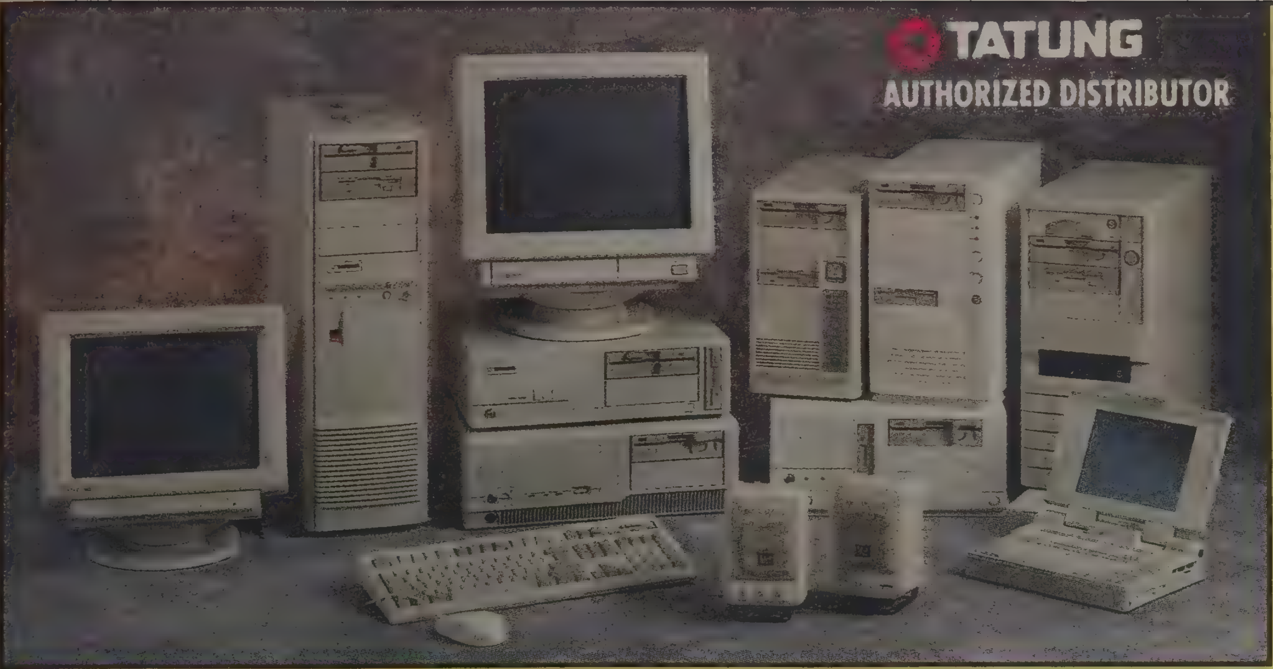

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- Enhanced 101 keys keyboard
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- Teac 1.2 MB & 1.44 MB FDD
- Trident SVGA card w/1 MB
- 80 MB Hard Disk drive
- SVGA color monitor w/.28 DP
- Enhanced 101 keys keyboard
- Desk Top case w/200 w UL P/S

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- Local Bus IDE/FDD controller
- Teac 1.2 MB & 1.44 MB FDD
- 120 MB Hard Disk drive
- SVGA color monitor w/.28 DP
- Focus 2001 101 keys keyboard
- Mini Tower case w/200 w UL P/S

33 Mhz........$1,799
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- Focus 2001 101 keys keyboard
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33 Mhz................$ 2,359
50 Mhz................$ 2,509

486DX 50 Mhz EISA

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- Trident SVGA card w/1 MB
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- Focus 2001 101 keys keyboard
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■ BASIC CONFIGURATION:

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MS-Works 2.0	One year ON-SITE Service Warranty

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486DX 33Mhz

486DX 33Mhz M/B w/ CPU
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120 MB Hard Disk drive
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continued from page 80

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Lintek Computers Inc.	Anaheim	Sales
Soft-Hard Systems	Woodland Hills	Sales, Service, Support
The Essence Group	Fountain Valley	Sales, Support

Pacific Bell

Computer Systems & Solutions	Brea	Sales, Service

Packard-Bell

CRT Corp.	Canoga Park	Service

Panasonic

3-D Research	City of Industry	Sales
ABC Computer	Garden Grove	Sales, Service, Support
Atlantic Computer Systems dba Digitech Research Inc.	Walnut	Sales
Blue Chip Automation	Cypress	Sales, Support
Comp USA	Torrance	Sales, Service
Computers and Such	Long Beach	Sales, Service, Support
Cosmos Business Systems	Walnut	
Enhanced Technologies	Brea	Sales, Support
Input Automation	Torrance	Sales, Training, Support
Lintek Computers Inc.	Anaheim	Sales
Micro City Computer Superstore	Cerritos	Sales, Service, Training, Support
Micro City Computer Superstore	City of Industry	Sales, Service, Training, Support
Micro City Computer Superstore	Mira Mesa	Sales, Service, Training, Support
Micro City Computer Superstore	San Diego	Sales, Service, Training, Support
Micro City Computer Superstore	San Juan Capistrano	Sales, Service, Training, Support
Micro City Computer Superstore	Santa Ana	Sales, Service, Training, Support
Micro City Computer Superstore	Van Nuys	Sales, Service, Training, Support
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Pasadena Computer Center	Pasadena	Sales, Service, Support
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PC House	Woodland Hills	Sales, Service, Support
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Valerio Enterprises, Inc.	Reseda	Sales, Service, Training, Support

Peavey

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Phoenix

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Photographic Sciences

Input Automation	Torrance	Sales, Training, Support

PLI

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Mac Universe, Inc.	Tarzana	Sales

Positive

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HB Computers	Hawthorne	Service

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Puretek

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QMS

Corporate Point Computer Systems, Inc.	Culver City	Sales, Training, Support

Quarterdeck

Intelligent Microcomputer Associates	Alhambra	Sales

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A J Computer Supplies	Huntington Beach	Sales

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Cosmos Business Systems	Walnut	
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- AT I/O Card
- Mini Tower Case
- 101 Enhanced Keyboard

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- 1.2 & 1.44MB FDD
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- SVGA Monitor (.28dpi)
- AT I/O Card
- Mini Tower Case
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- Operational Manual

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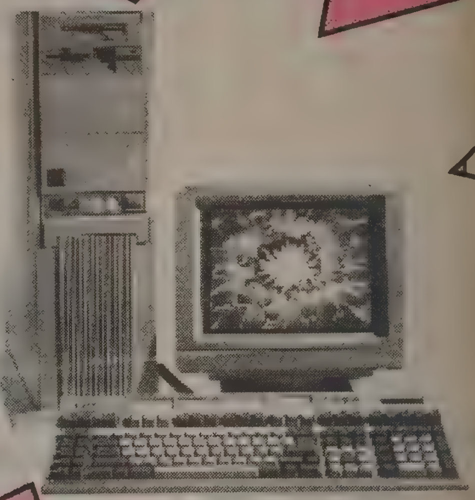

486SX-25 MHz 0 Wait

- 4MB RAM Installed
- 32MB Expandable
- Co-Processor Socket
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- Clock.Calendar (Battery Bkup)
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- IDE FD/HD Controller
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- Super VGA Color Monitor
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- Operation Manual

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AT-386SX 33MHz Bare Bone	229
AT-386 40 W/64K Bare Bone	299
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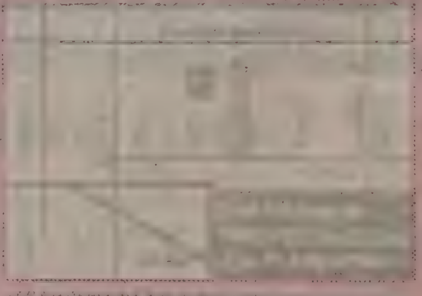

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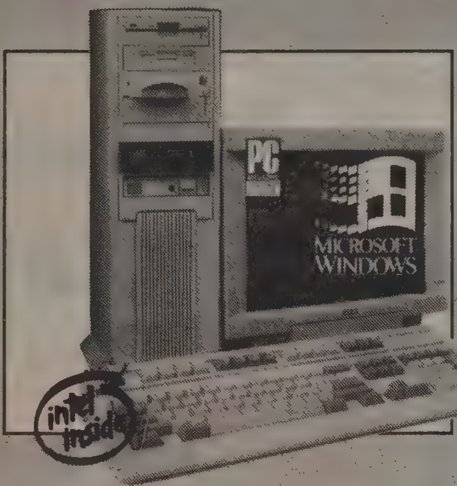

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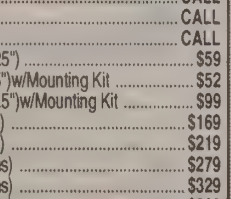

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- 16 bit SVGA card with 1MB 1024x768x256 colors
- 2 serial, 1 parallel, 1 game ports
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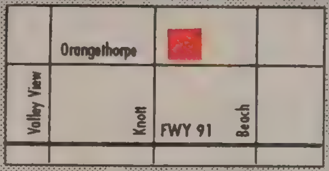

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Diamond SpeedStar-24X 1MB VGA Card (16 million colors)	$175/$170

	regular/CASH prices
Diamond Stealth 1MB VRAM (S3 chipset & high color)	$215/$210
EISA IDE cache controller card (4HD/2FD, 512K to 16MB w/0K)	$210/$205
EISA SVGA card with S3 chipset and 1MB VRAM	$230/$220
Super IDE (2HD/2FD with 2s,1p,1g)	$18/$17
Sound Blaster Pro	$170/$165

MONITORS

NEC 21″ 6FG N.I. SVGA monitor (0.28 dot pitch, 1280x1024)	$2350/$2299
NEC 17″ 5FG N.I. SVGA monitor (0.28 dot pitch, 1280x1024)	$1390/$1340
CTX 14″ N.I. SVGA monitor (0.28 dot pitch, 1024x768)	$295/$290
SHAMROCK 14″ N.I. SVGA monitor (0.28 dot pitch, 1024x768)	$285/$280
SHAMROCK 14″ SVGA monitor (0.28 dot pitch, 1024x768)	$255/$250
SHAMROCK 15″ N.I. SVGA monitor (0.28 dot pitch, 1280x1024	$475/$465

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Teac 1.2MB 5 ¼″ FDD	$60/$57
Teac 1.44MB 3 ½″ FDD	$55/$52
Conner CP-30174 170MB IDE HD (17ms)	$290/$280
Maxtor MX-7120A 120MB IDE HD (15ms, 64K cache)	$285/$275
Maxtor MX-7213A 213MB IDE HD (15ms, 64K cache)	$380/$370
Seagate 3120A 105MB IDE HD (16ms, 32K cache)	$250/$240

	regular/CASH prices
Colorado DJ-20 250MB Tape Backup	$258/$250
Sony CDU-535 internal CD-ROM Drive w/interface	$325/$320

PRINTERS

Hewlett Packard Deskjet 500 InkJet printer	$365/$360
Hewlett Packard DeskJet 550C Color Inkjet printer	$CALL!
Hewlett Packard Laserjet IIP Plus	$760/$740
Hewlett Packard Laser Jet 4	$Call
OkiData OL 400 laser printer	$595/$590
Panasonic KX-P1123 Printer (24pin/240cps/80col)	$195/$190
Panasonic KX-P2123 Quiet Printer (24pin/240cps/80col/color opt)	$248/$240
Color kit for the above printer	$45/$43

KEYBOARDS

Acer 6311-G 101 keyboard (click)	$35/$34
Focus 2001 101 keyboard (click, hard dustcover)	$42/$40
Lite-on 4100 101 keyboard (non-click)	$29/$28
KME keymouse 101 keyboard (click, track-ball built-in)	$55/$54

CASES

Mini-tower case (230w ps/digital)	$55/$53
Mini-deskstop case (230w ps/digital)	$70/$67
Mid-tower case (230w ps/digital)	$80/$76
Full-tower case (250w ps/digital)	$99/$95

MOUSE/TRACKBALL

Genius mouse (200-1000dpi, opto-mechanical)	$20/$19
TrueDox Trackball (50-800dpi, 3 button)	$35/$33
Microsoft serial mouse	$65/$63
Logitech First mouse	$50/$49

ARTS & LABOR WARRANTY!

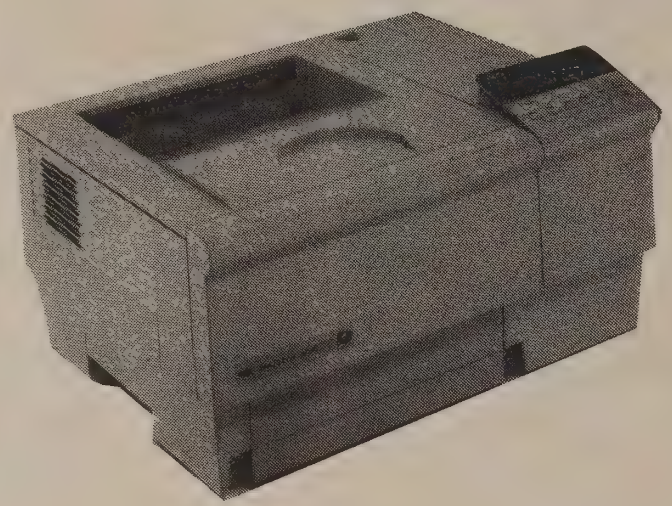
Note: The above prices do not include CA sales tax and/or shipping and handling charges if any are applicable. Regular prices reflect credit card (Visa, Mastercard) and check prices. Cash price reflects discounted price for cash purchase. Above price is subject to change without notice.

PRINTERS & SCANNERS

Continued from page 152

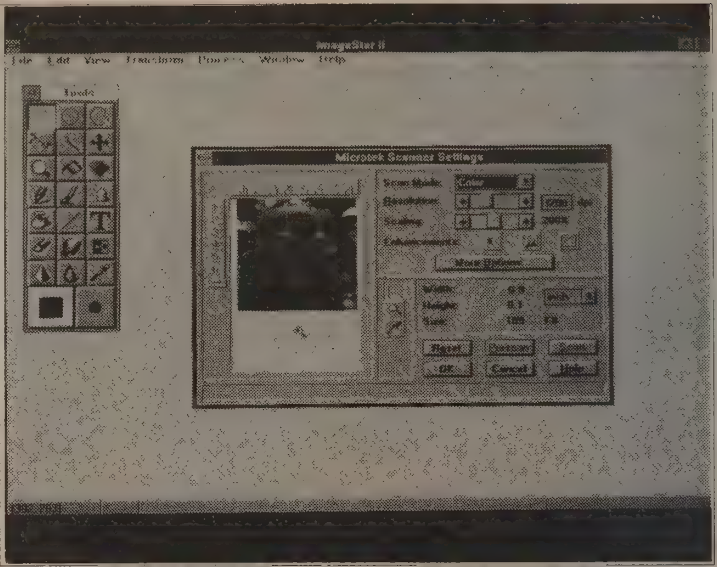
IMAGE XPERT 5000

The Image Xpert 5000 high-resolution, PostScript-compatible plain paper printing system consists of two components: a 600 dpi, B-sized laser printer engine rated at 8ppm for letter sized page output and a LaserPix 5.0 printer controller which the user installs in many Windows capable IBM-compatible personal computers. The printer and PC-resident controller enhances the printer's standard 600 x 600 output resolution to 1200 x 1200dpi for text and line art and the equivalent of 2400dpi for gray scale images. A new feature to XLI's LaserPix 5.0 is the ability to process PostScript from any source on a network, including non-Windows computers. PostScript compatibility is provided using the latest version of Zenographics' SuperPaint software that also provides printer and font management capabilities. ($6995) XLI Corp., 800 W. Cummings Park., Suite 6650, Woburn, MA 01801. (617)932-9199.



NEC SILENTWRITER 95FX

The Silentwriter 95fx integrates PostScript language fax capability with a 6ppm laser writer. This fax option is available to thousands of existing Silentwriter Model 95 users. This will enable PC and Macintosh users to send and receive faxes. Using NEC supplied software drivers, documents can be sent from any PC, Windows, or Macintosh application. Other features and benefits include, inexpensive shared faxing, auto/retry functions that frees users from checking the status of outgoing faxes, customized cover sheets, confirmation sheet, and a built-in phonebook with a broadcast feature that enables users to transmit faxes to multiple locations. (Silentwriter Model 95fx is $2348. Fax option upgrade is available at a suggested retail price of $599) NEC Technologies, Inc., 1414 Massachusetts Ave., Boxborough, MA 01719. (508)264-8000.



SCANMAKER II

The ScanMaker II offers affordable grayscale and color scanning and is bundled with image edition software—Adobe PhotoShop LE (limited edition) for the Mac or Microtek's ImageStar II for Windows. It features three pass, 24-bit color scanning with 8-bit grayscale scanning. The new electronic design, coupled with optimized scanner driver software has resulted in an increase in color scanning speed of 50% over previous ScanMaker models. For the higher-end professional user, Microtek offers the ScanMaker IIex that also includes Savitar's Scan Match, an input color calibration system. (ScanMaker II, $950; ScanMaker IIex, $1350) Microtek Lab, Inc., 680 Knox St., Torrance, CA 90502. (213)321-2121.

SPECTRA STAR Q10

The Q10 color thermal printer comes standard with Pantone-certified color matching, 6MB of RAM, and twenty fonts, upgradable to 10MB and fifty-two fonts. It uses a 20MHz, Intel 80960 RISC processor for extremely quick throughput. The printers auto-sense feature automatically selects and uses the appropriate port: serial, parallel, or AppleTalk. ($4999, upgrade to 10MB with fifty-two fonts is $1399) General Parametrics Corp., 1250 Ninth St., Berkeley, CA 94710. (510)524-3950.

UC840 COLOR SCANNER

The UC840 is a flatbed, 24-bit color image scanner with resolution of 800dpi. A three-pass mode uses a single light source with three color filters to scan without vertical color offset that often occurs in a three-lamp/one-pass system. In addition to scanning 16.8 million colors, the UC840 also scans in grayscale, halftone, or line art modes. With the UMAX Transparency Adapter, the UC840 scans both reflective art and transmissive material. Bundled with the scanner is PhotoShop 2.0 for Mac and Image-In Color for the PS or PS/2. ($1995) UMAX Technologies, Inc., 3170 Coronado Dr., Santa Clara, CA 95054. 1-800-562-0311.

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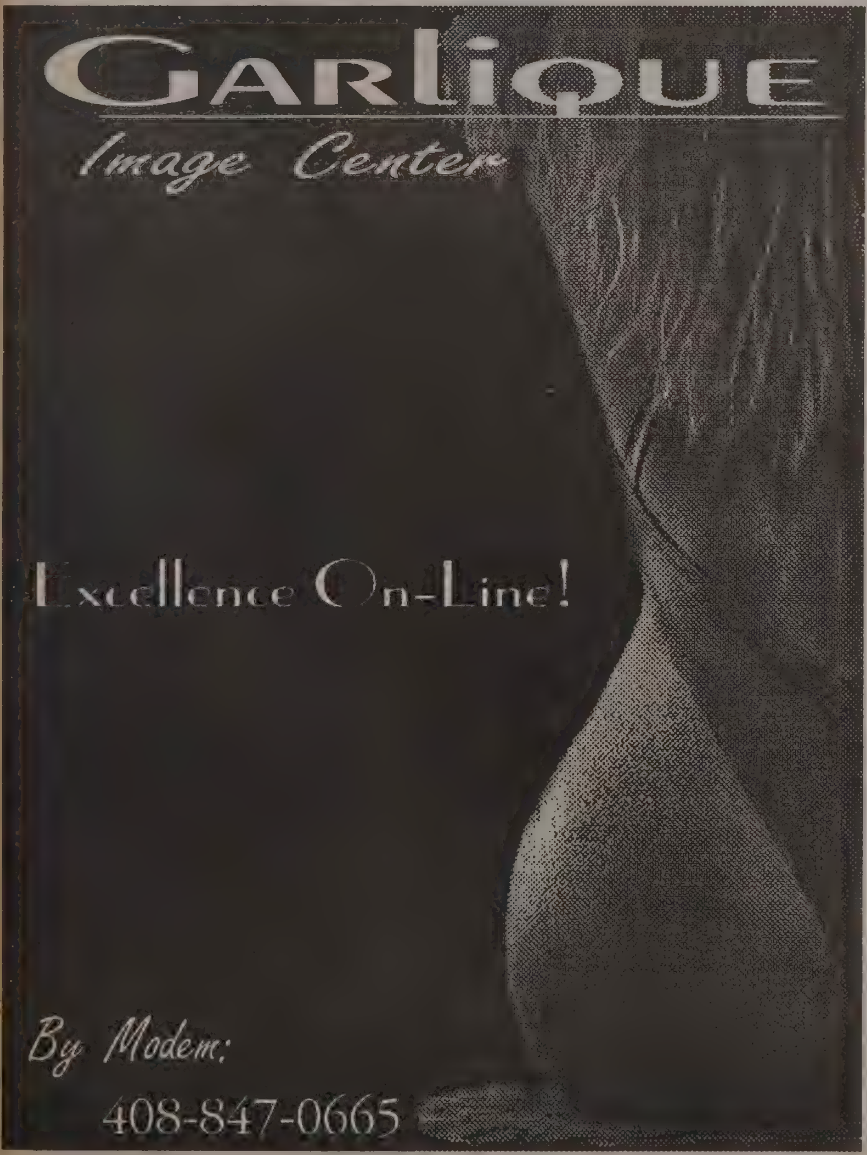

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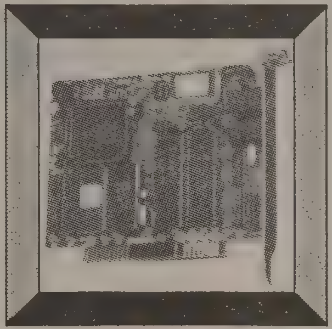

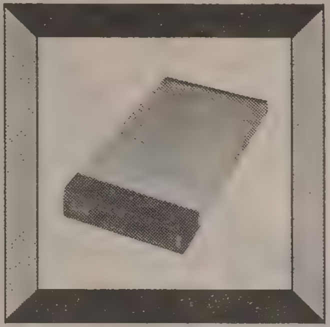

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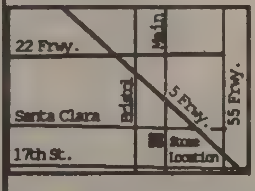

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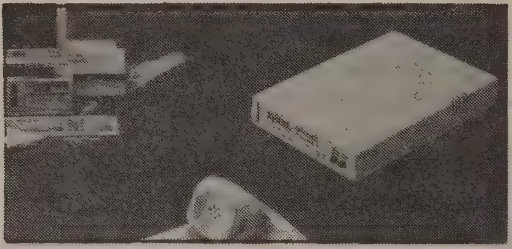

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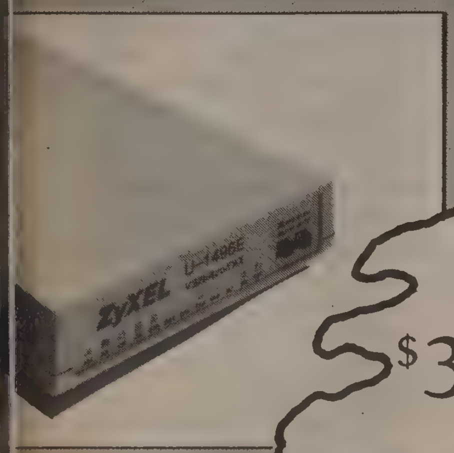

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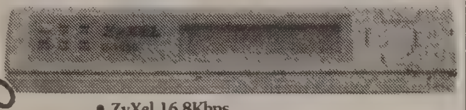

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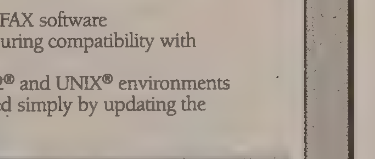

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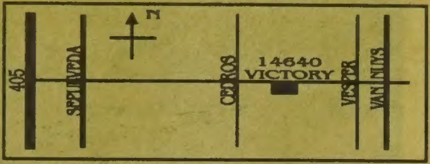

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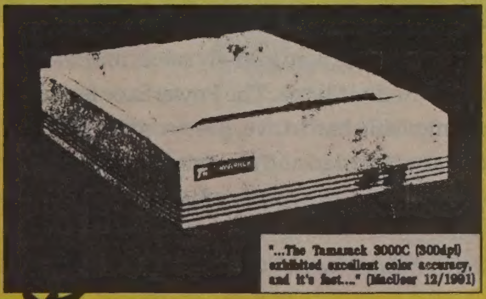

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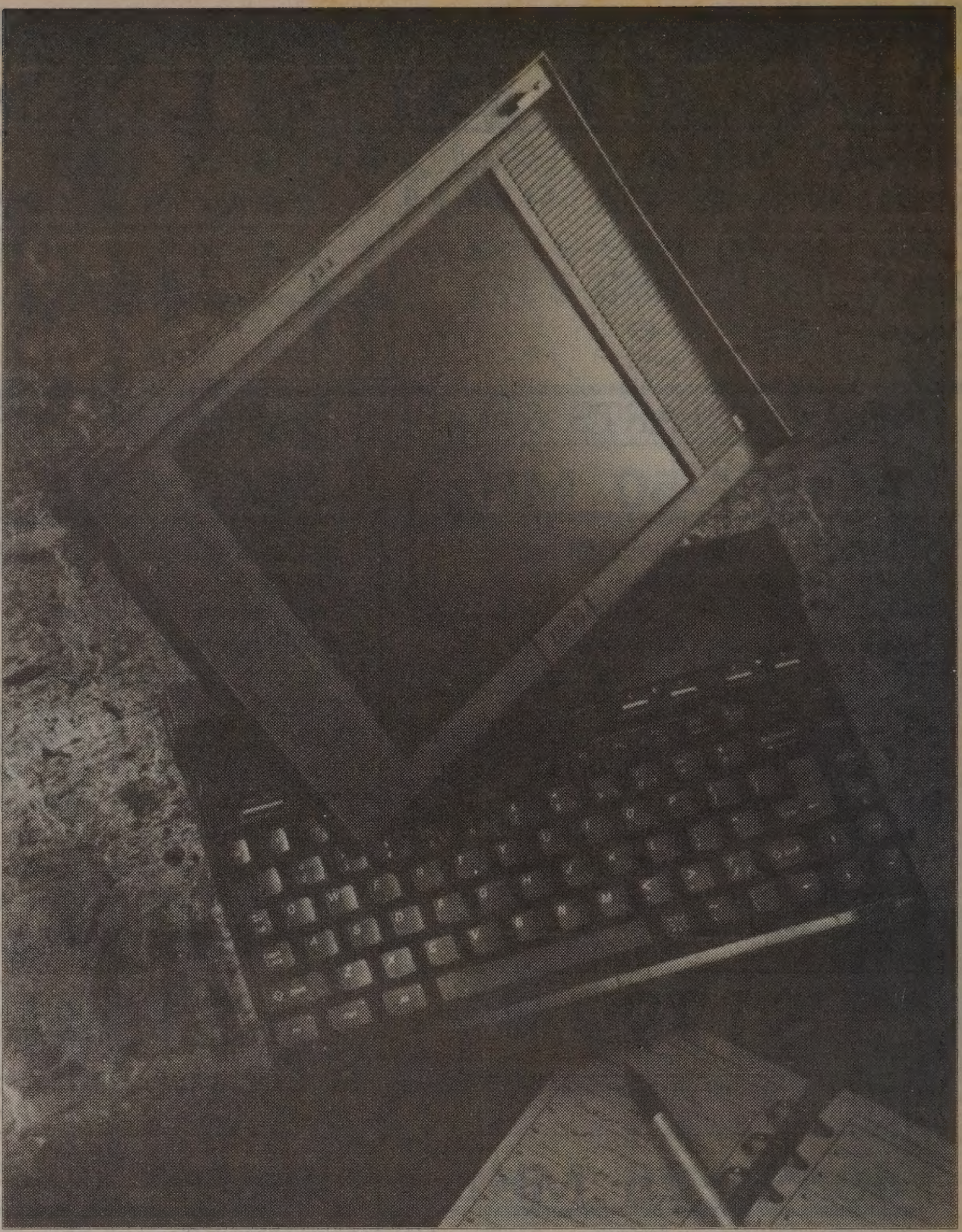

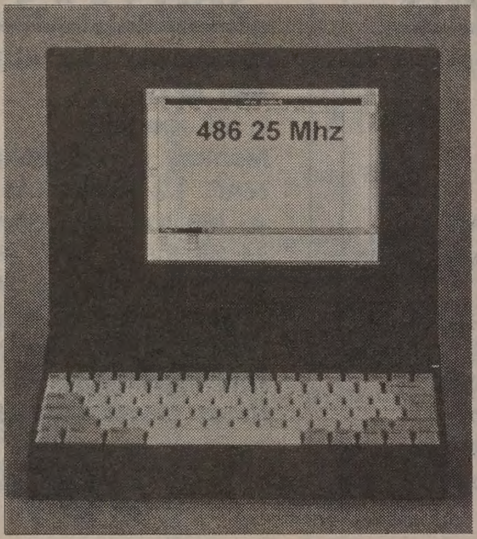

ASPEN PERSONAL 486

The Aspen Personal 486, a 25MHz, 486 notebook computer, includes 2MB of RAM, a 60MB hard disk, 10" grayscale VGA display, scanner port, external VGA port, docking station port, and both serial and parallel ports. In addition, the keyboard includes dedicated keys for the function keys, 1–12, Page and Home. The Aspen Personal is bundled with several utility and software packages, including Winlink transfer utility, Lap2Lan for connection to a network, and Lap2Desk providing hard disk access. ($1595) Aspen Computer, Inc., 5813 Main St., #10, Buffalo, NY 14221. 1-800-370-3322.

AUSTIN 386/SX-25

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AST POWEREXEC UPGRADABLE NOTEBOOK

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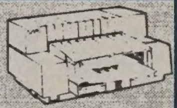

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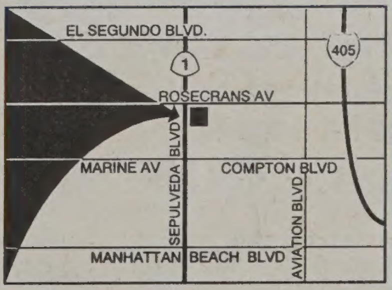

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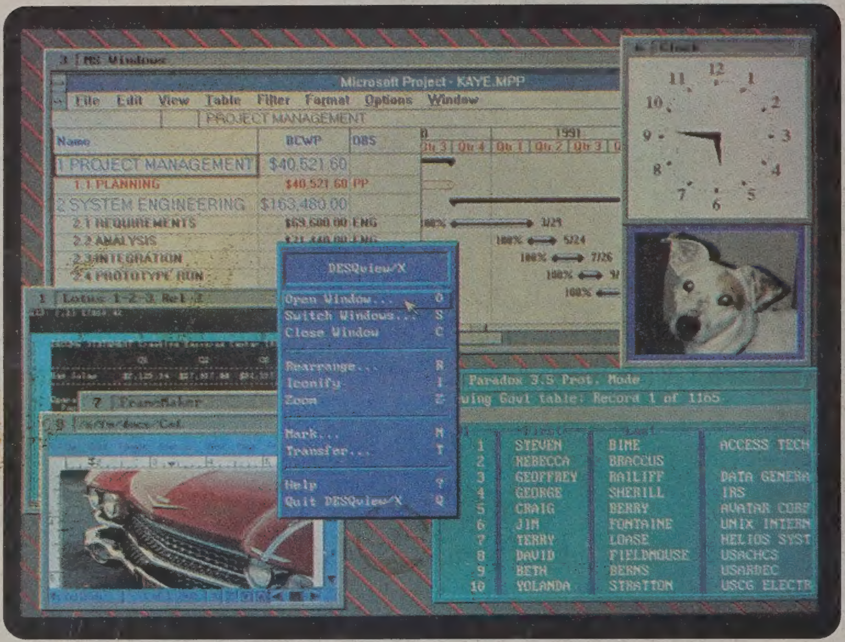

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